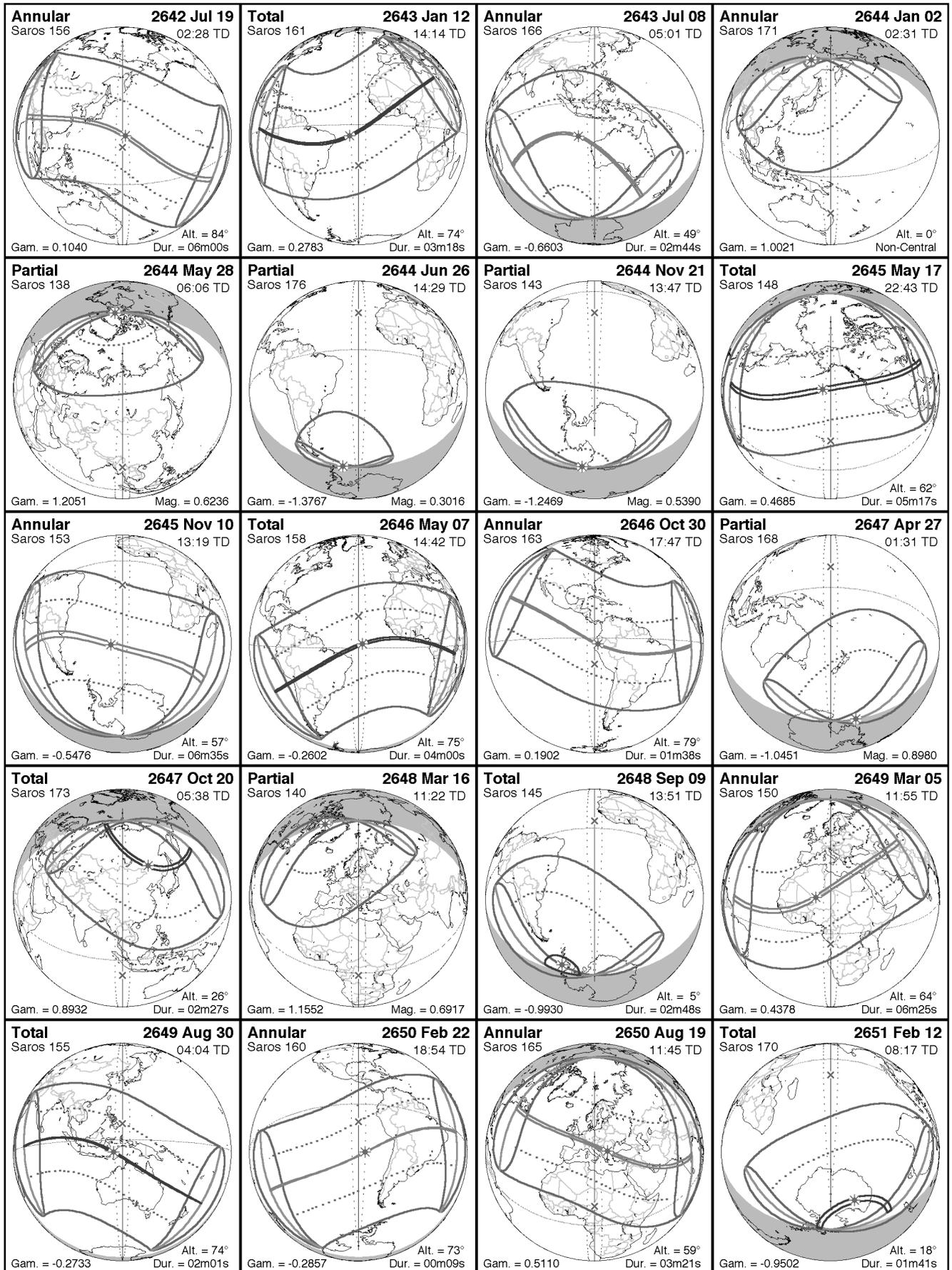


$\Delta T = 2092 \text{ s} [= 00\text{h}35\text{m}]$

std.err. =  $\pm 895 \text{ s} [= \pm 3.7^\circ]$

Plate 551

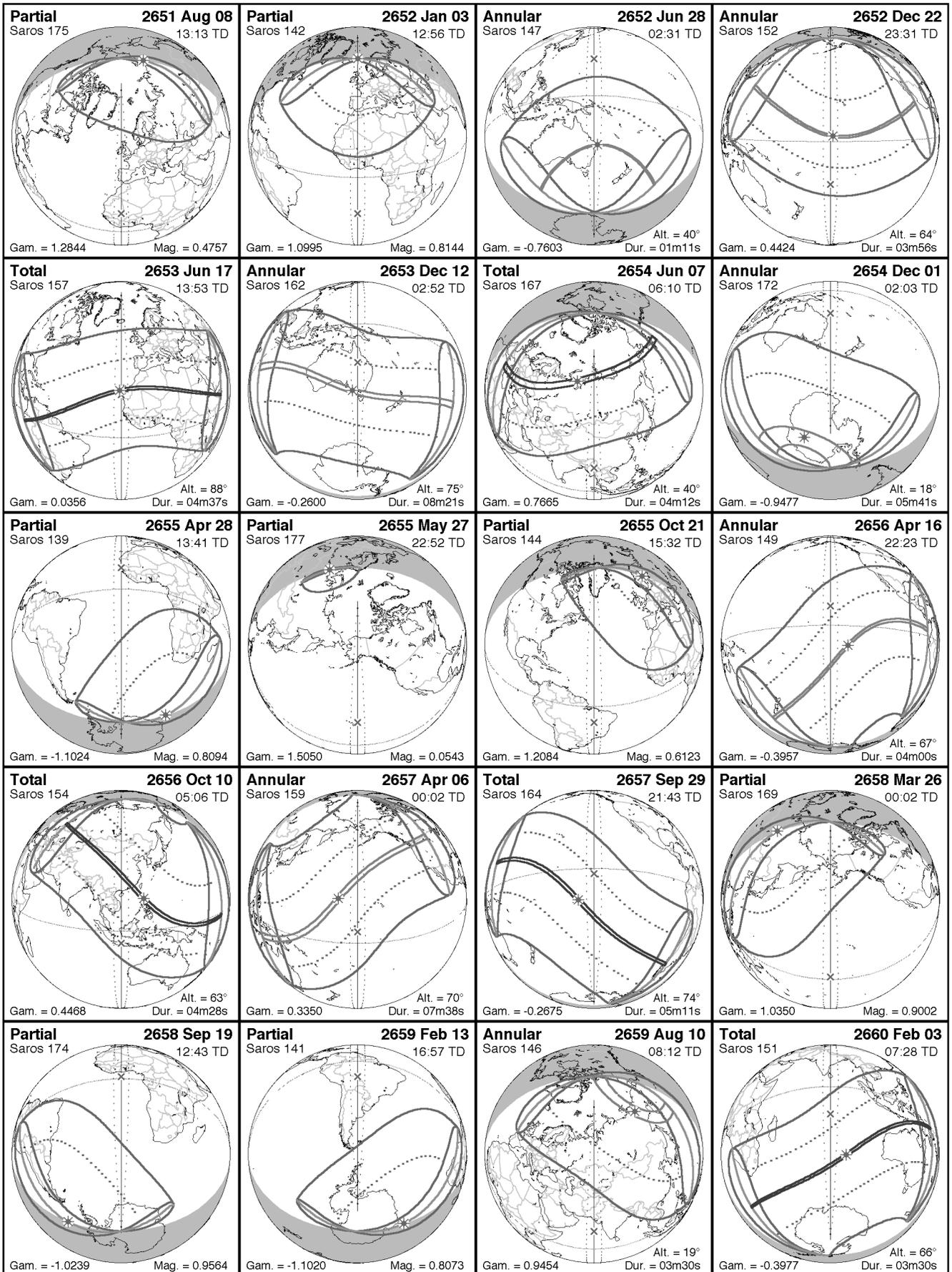
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2139 \text{ s } [= 00\text{h}36\text{m}]$

std.err. =  $\pm 916 \text{ s } [= \pm 3.8^\circ]$

Plate 552

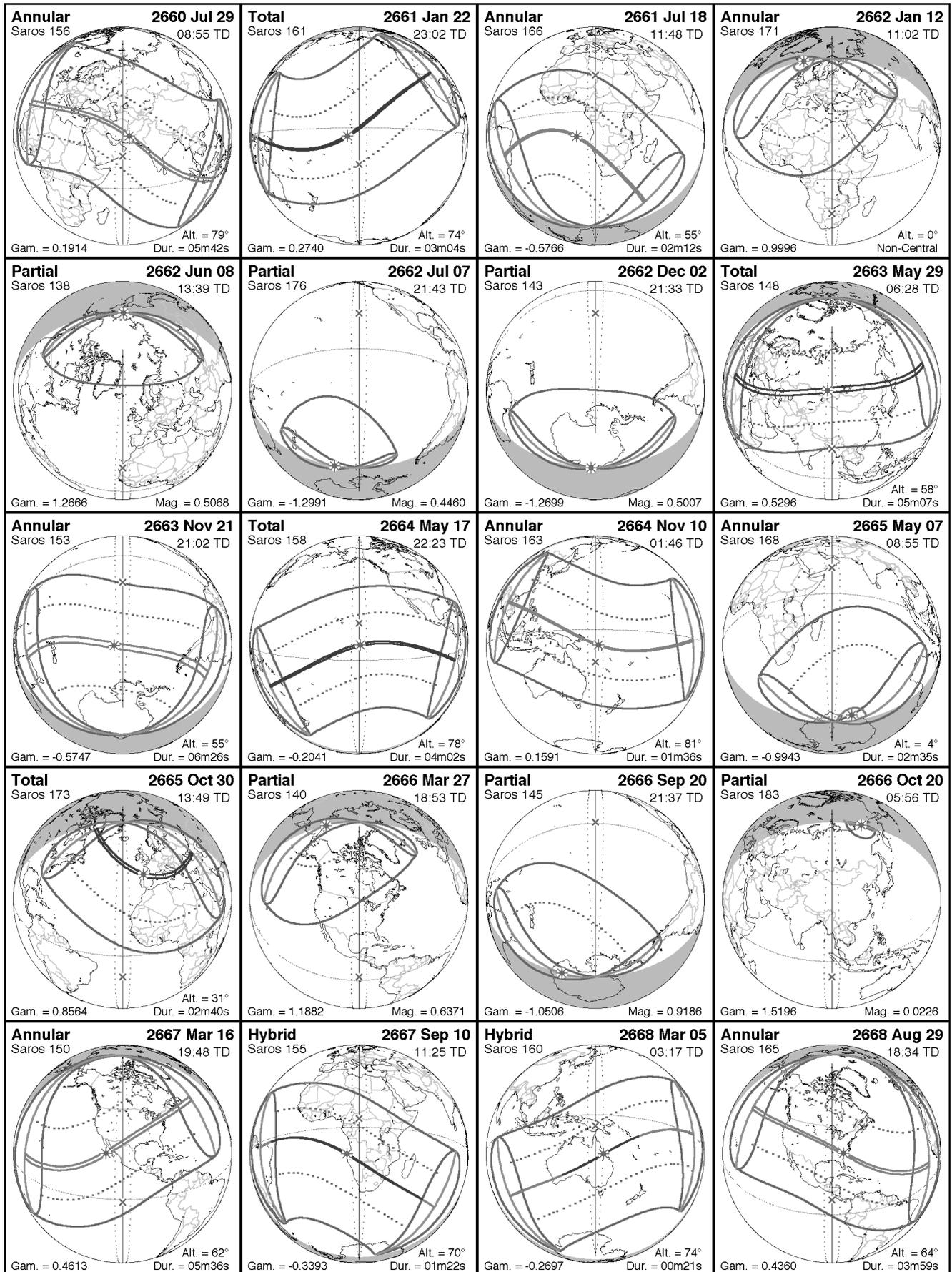


$\Delta T = 2187 \text{ s } [= 00\text{h}36\text{m}]$

std.err. =  $\pm 937 \text{ s } [= \pm 3.9^\circ]$

Plate 553

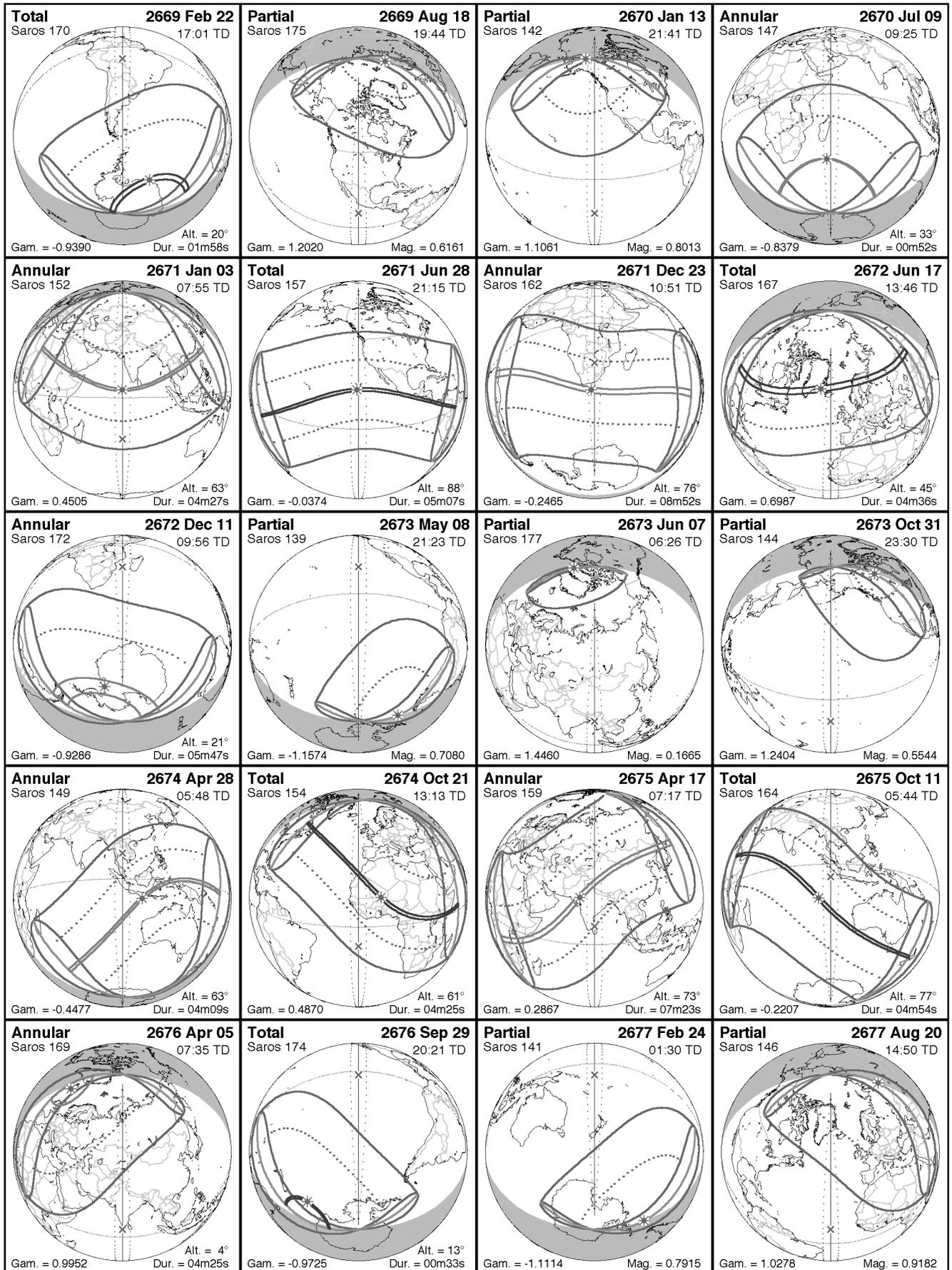
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2235 \text{ s } [= 00\text{h}37\text{m}]$

std.err. =  $\pm 958 \text{ s } [= \pm 4.0^\circ]$

Plate 55A

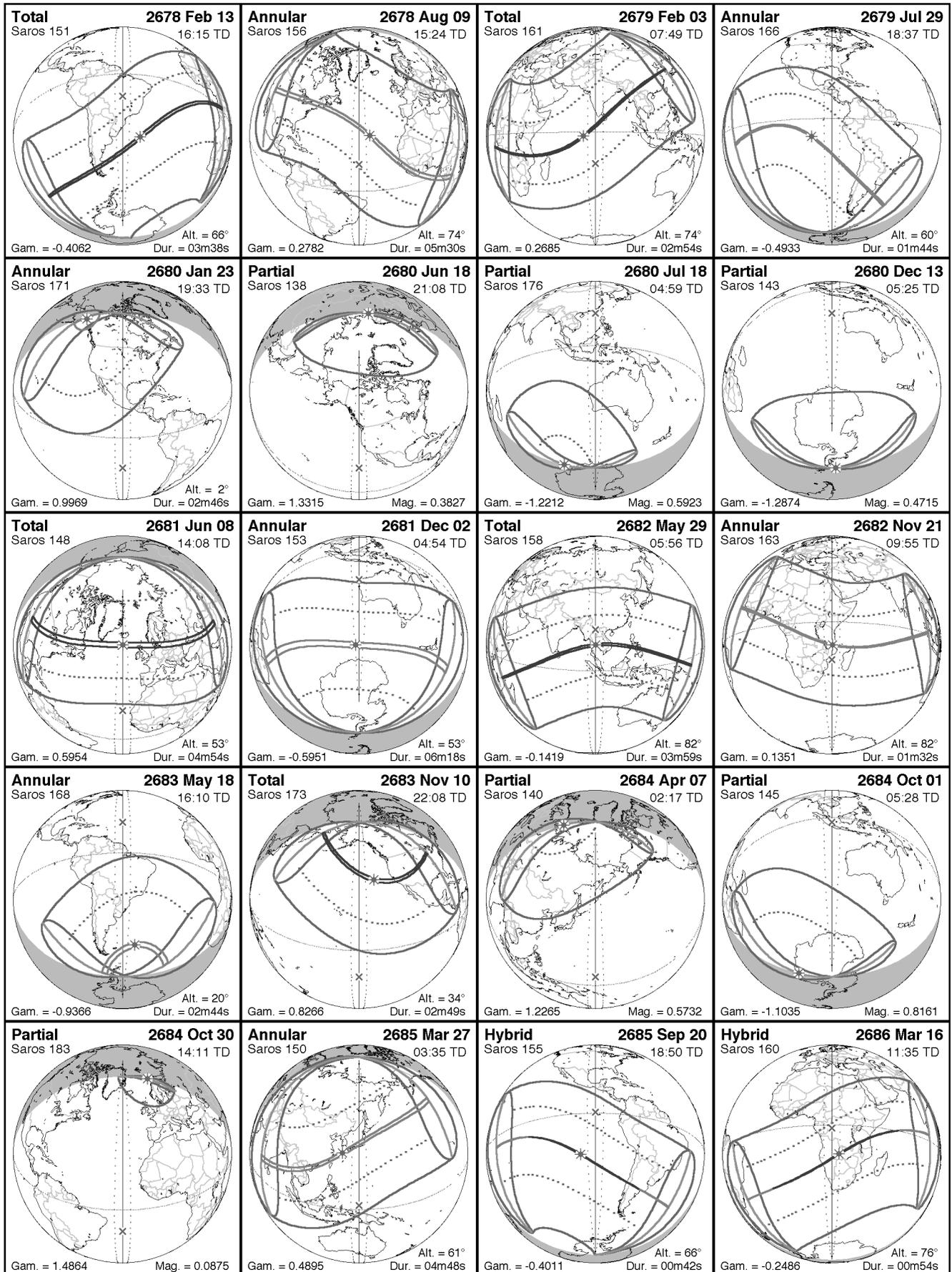


$\Delta T = 2281 \text{ s } [= 00\text{h}38\text{m}]$

std.err. =  $\pm 978 \text{ s } [= \pm 4.1^\circ]$

Plate 555

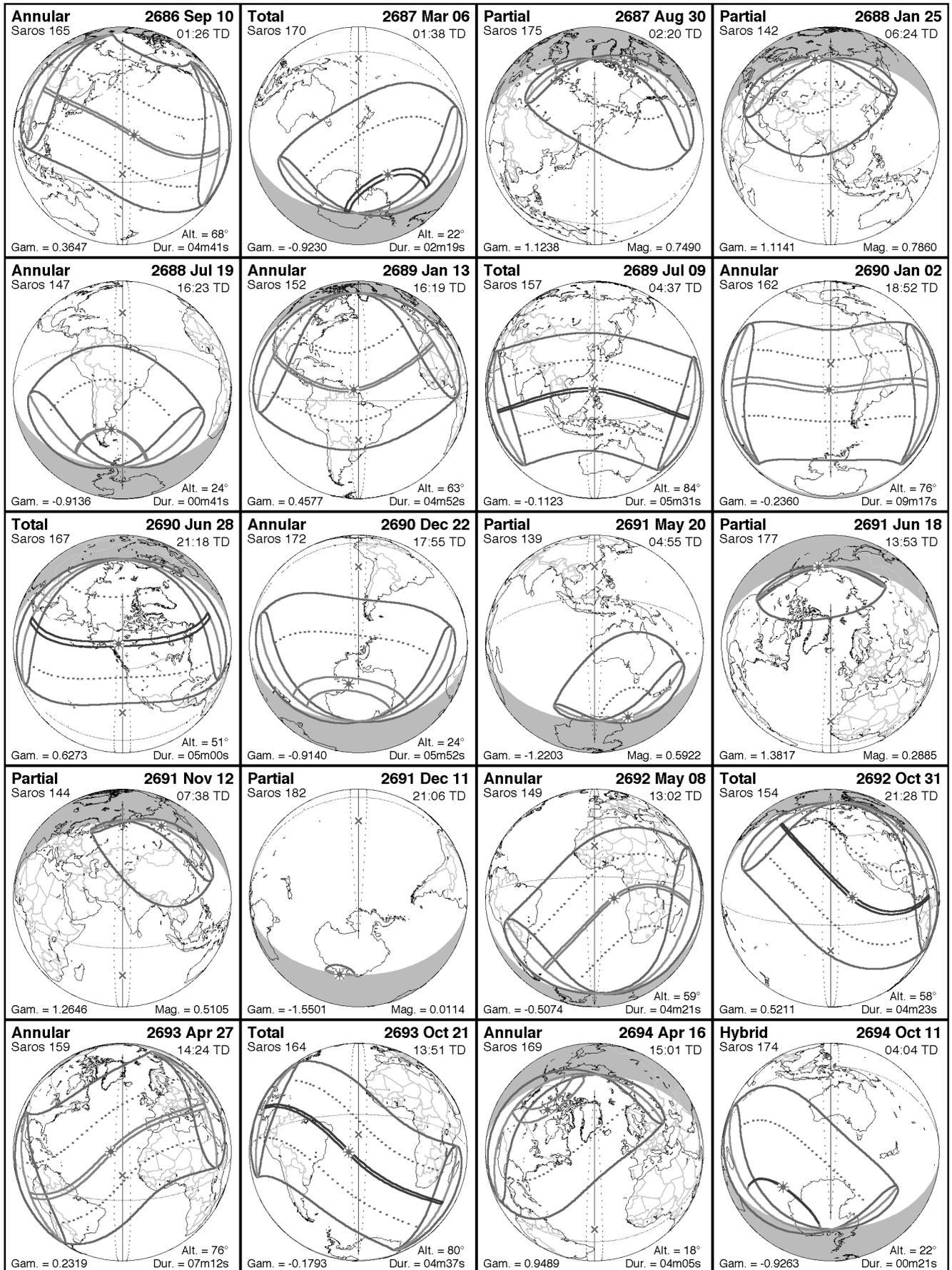
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2330 \text{ s} [= 00\text{h}39\text{m}]$

std.err. =  $\pm 999 \text{ s} [= \pm 4.2^\circ]$

Plate 556

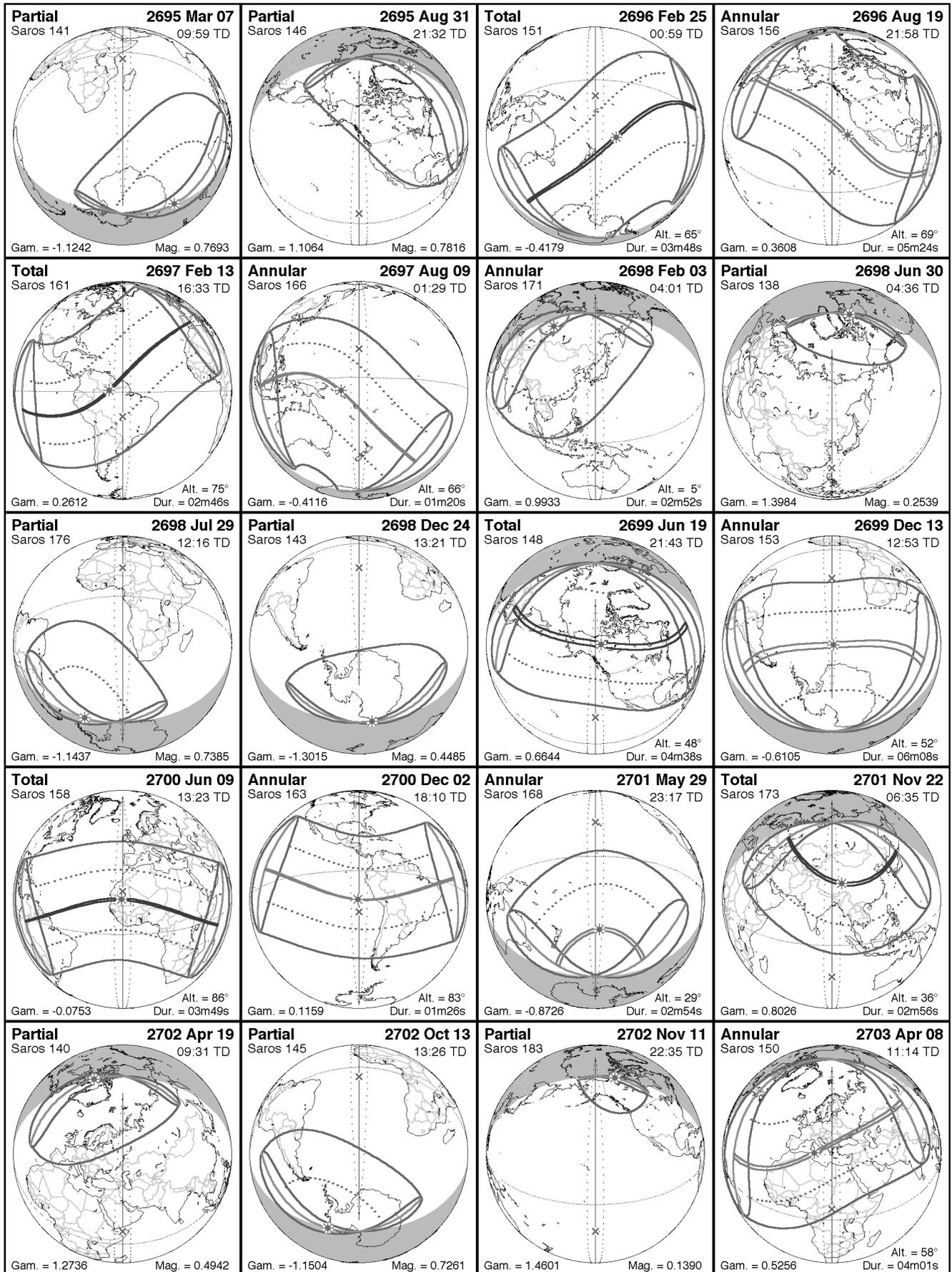


$\Delta T = 2377$  s [= 00h40m]

std.err. =  $\pm 1020$  s [=  $\pm 4.2^\circ$ ]

Plate 557

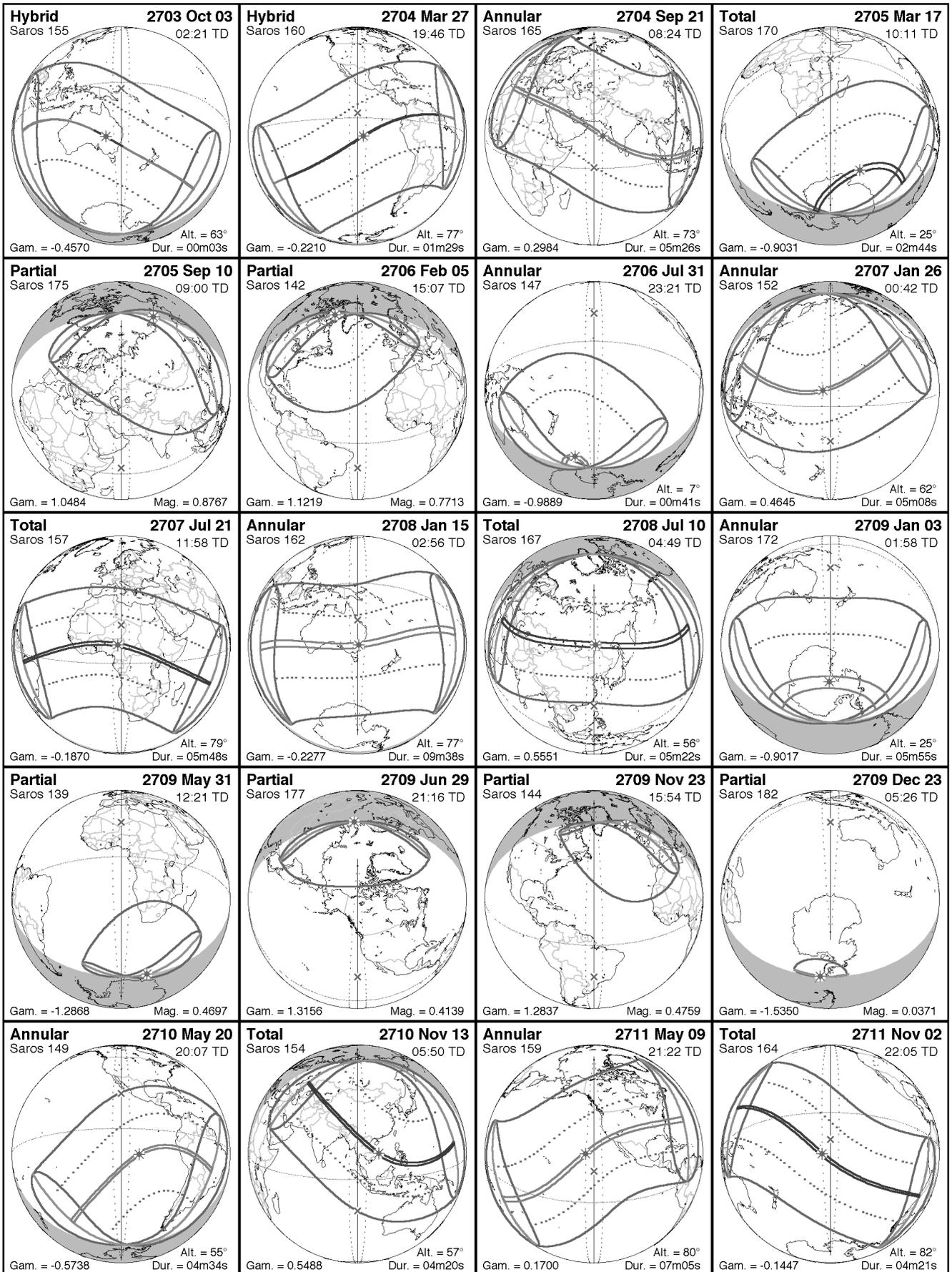
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2424 \text{ s } [= 00\text{h}40\text{m}]$

std.err. =  $\pm 1040 \text{ s } [= \pm 4.3^\circ]$

Plate 558

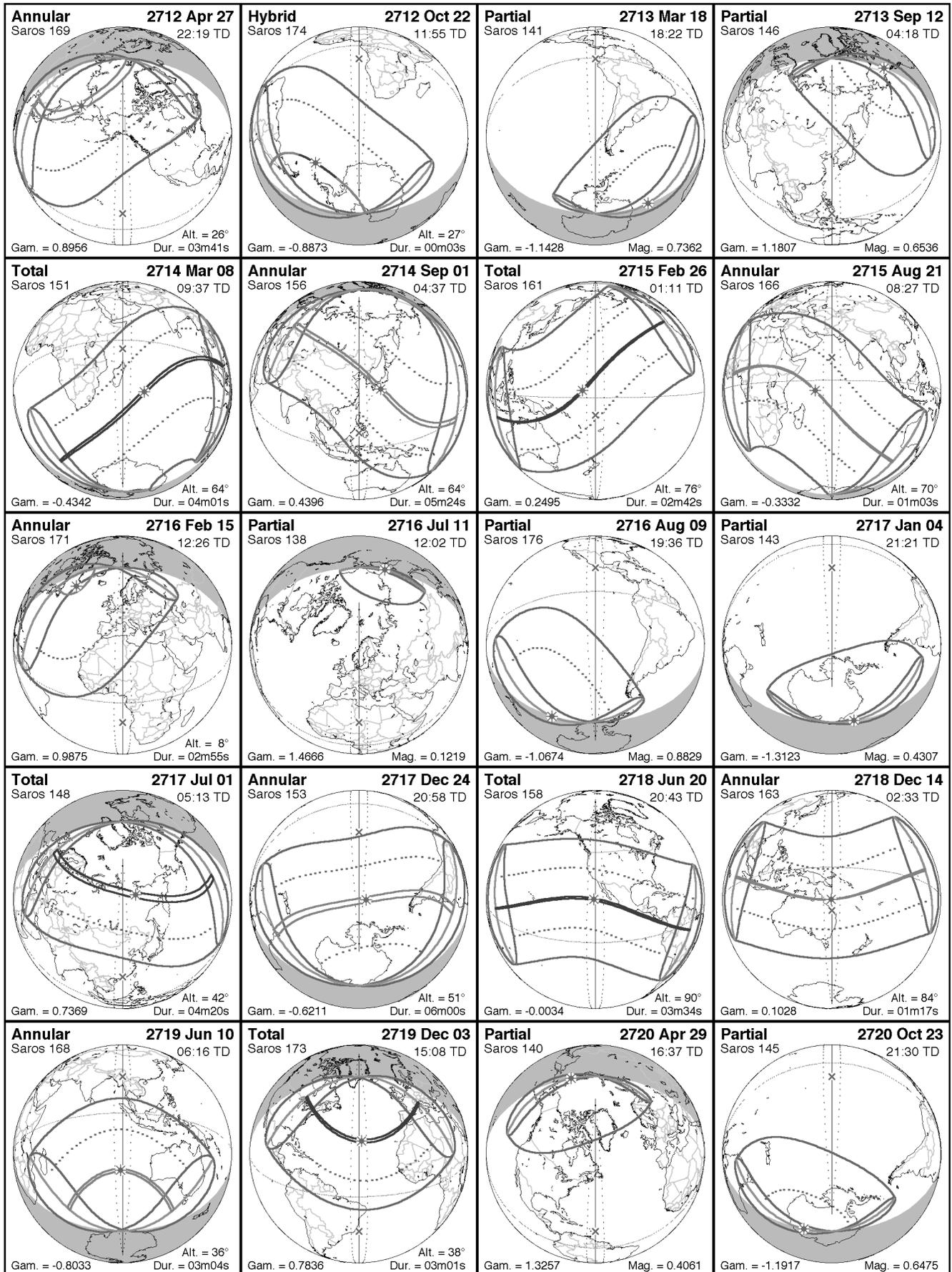


$\Delta T = 2472 \text{ s } [= 00\text{h}41\text{m}]$

std.err. =  $\pm 1061 \text{ s } [= \pm 4.4^\circ]$

Plate 559

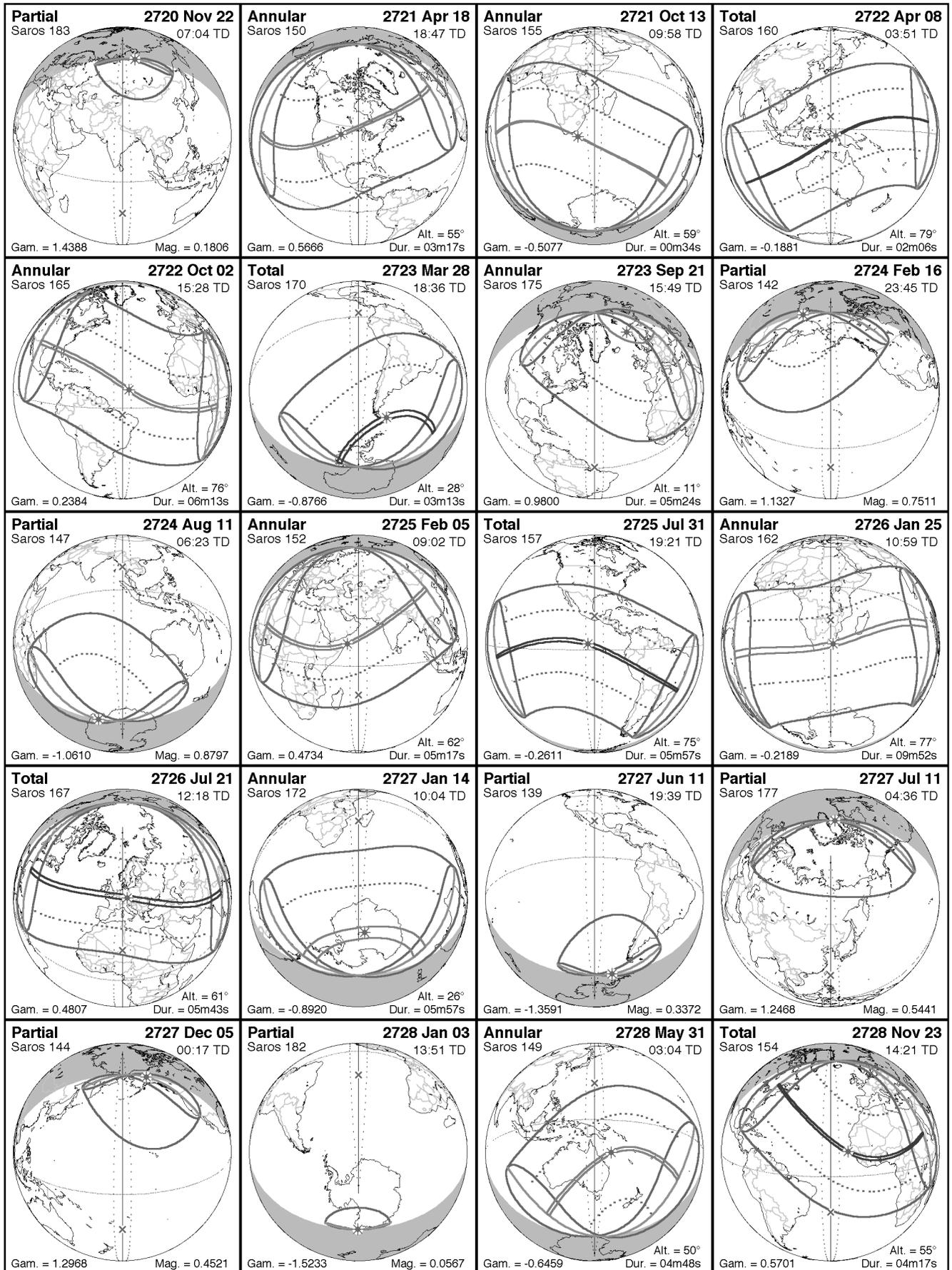
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2521 \text{ s} [= 00\text{h}42\text{m}]$

std.err. =  $\pm 1082 \text{ s} [= \pm 4.5^\circ]$

Plate 560

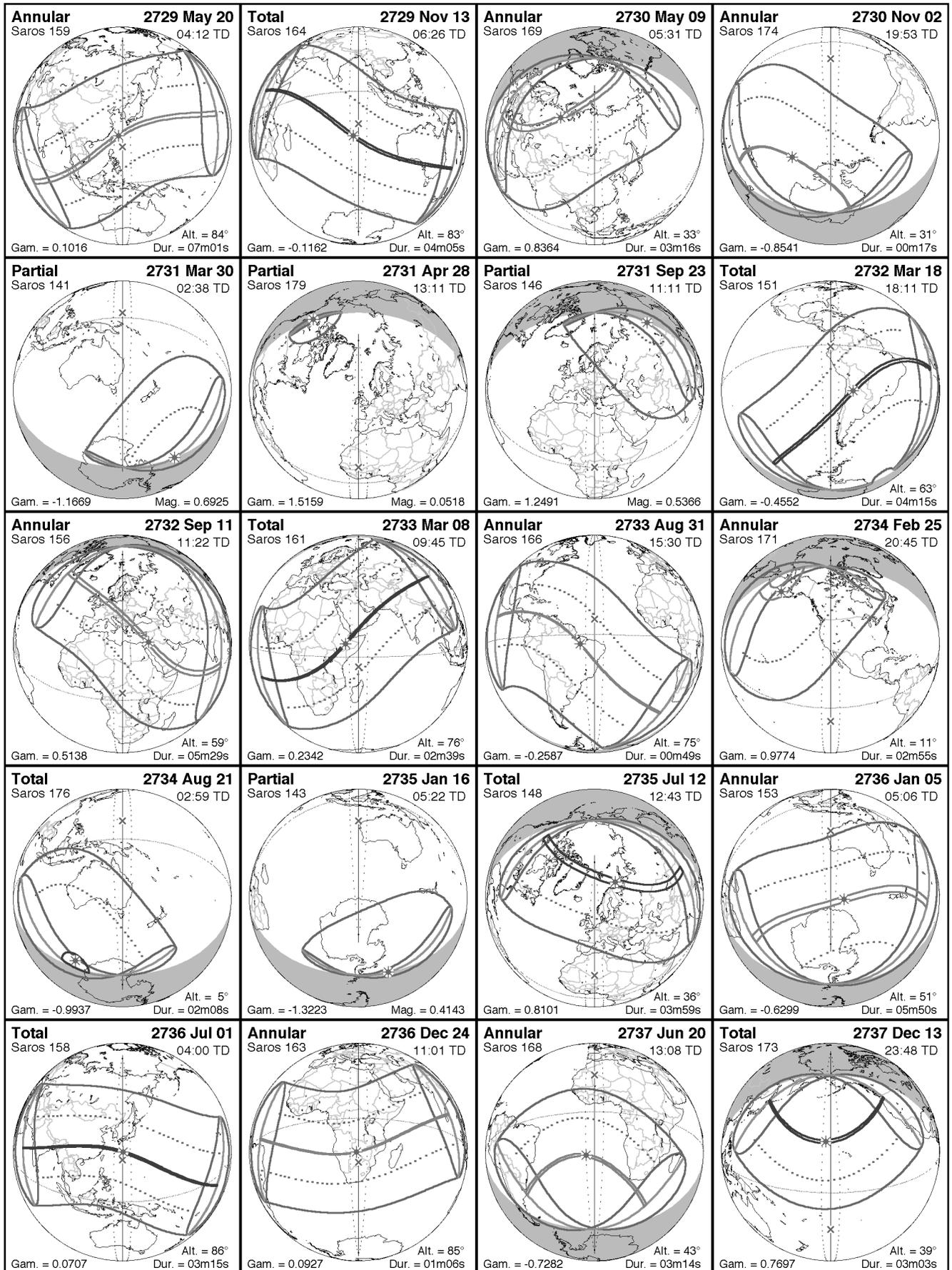


$\Delta T = 2570 \text{ s } [= 00\text{h}43\text{m}]$

std.err. =  $\pm 1103 \text{ s } [= \pm 4.6^\circ]$

Plate 561

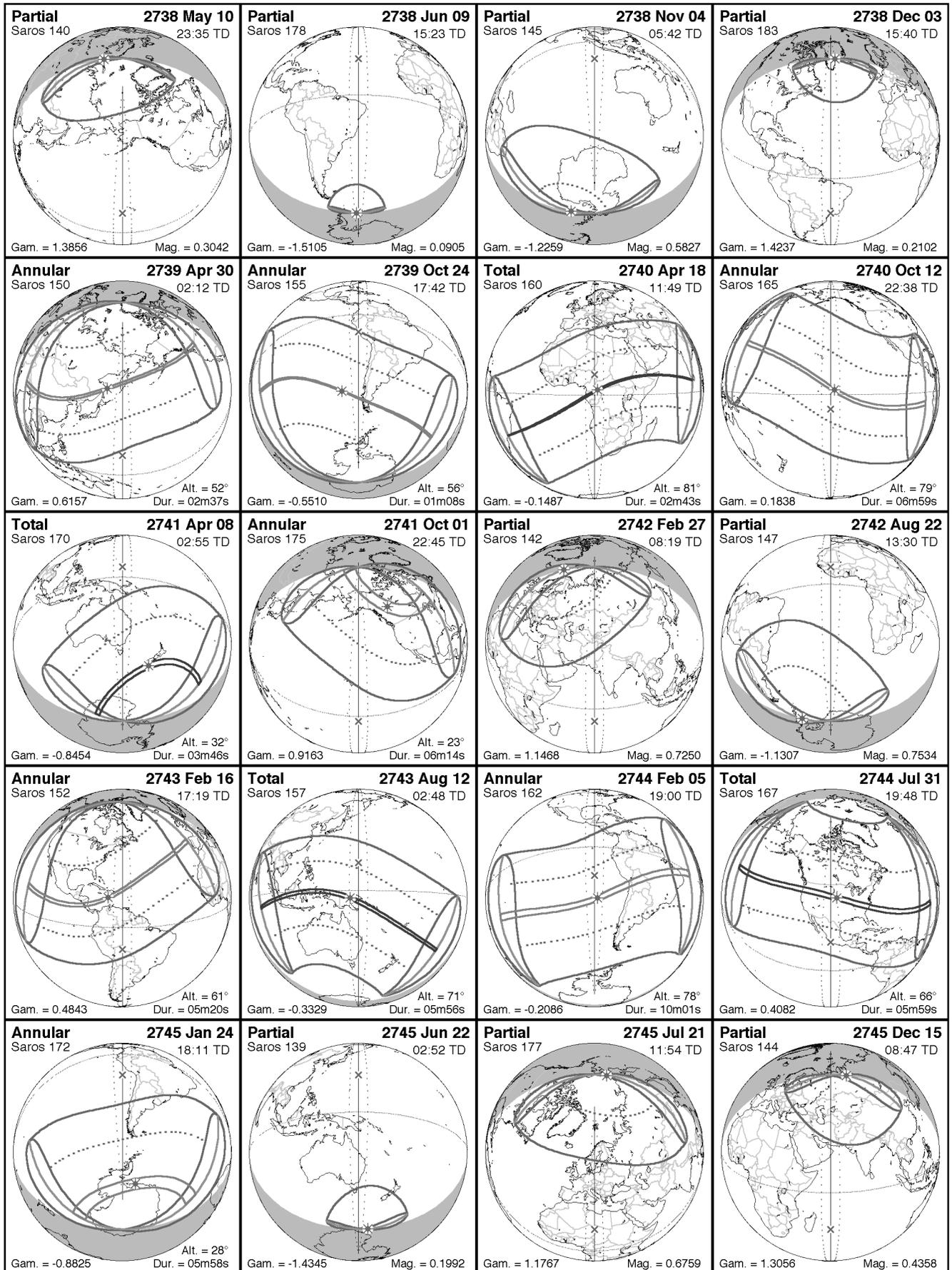
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2619 \text{ s } [= 00\text{h}44\text{m}]$

std.err. =  $\pm 1124 \text{ s } [= \pm 4.7^\circ]$

Plate 562

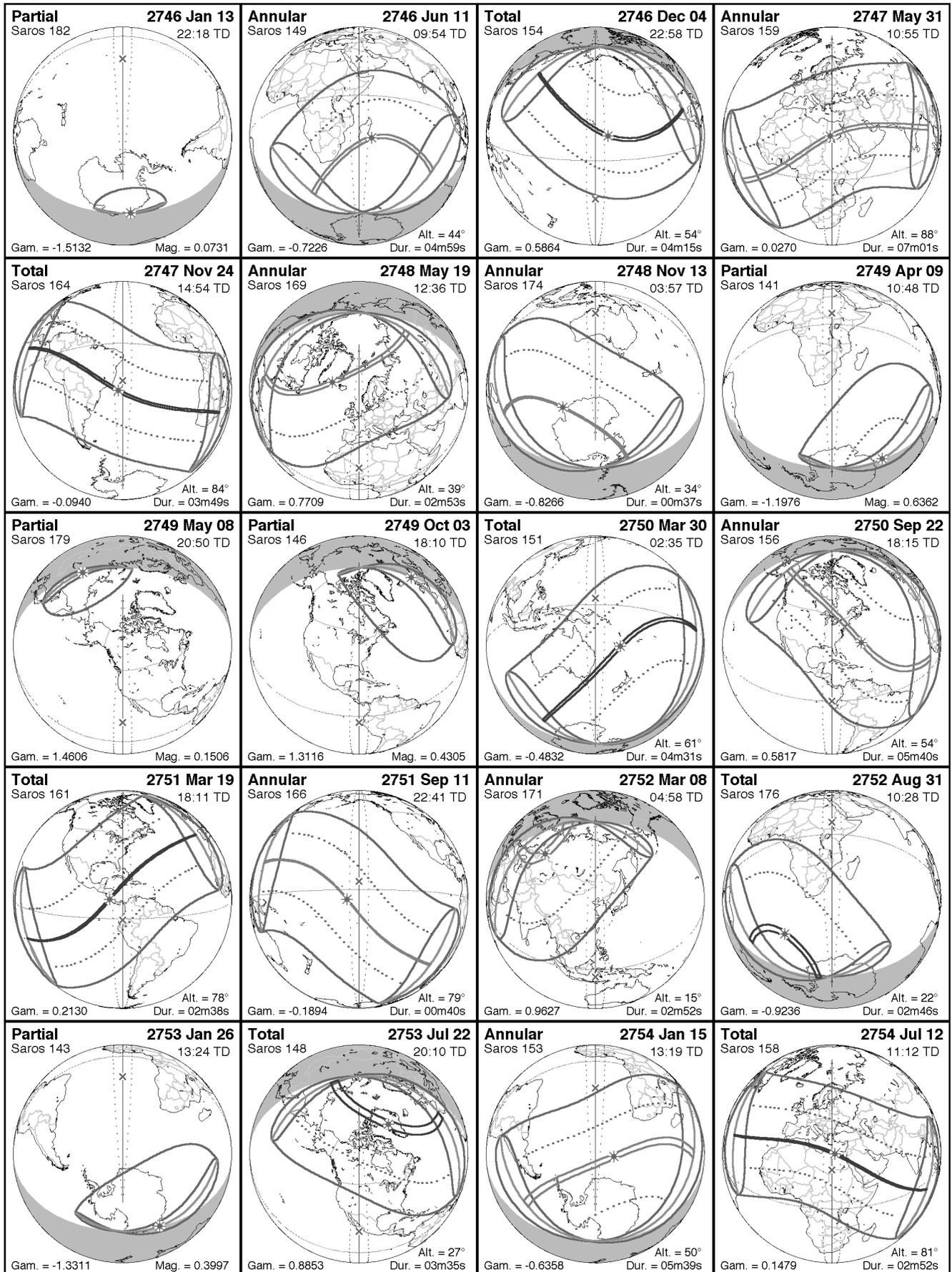


$\Delta T = 2671 \text{ s } [= 00\text{h}45\text{m}]$

std.err. =  $\pm 1147 \text{ s } [= \pm 4.8^\circ]$

Plate 563

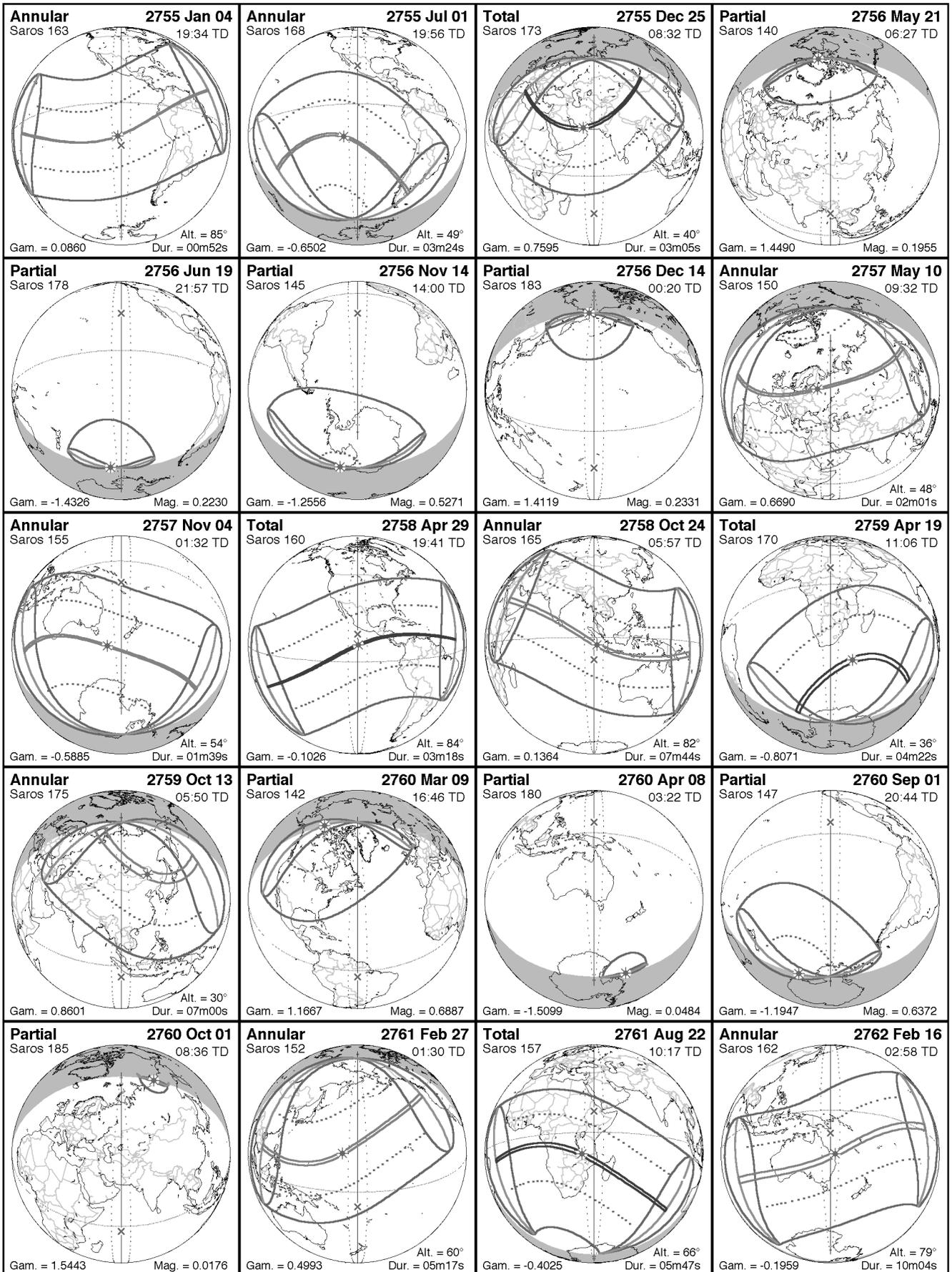
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2716 \text{ s } [= 00\text{h}45\text{m}]$

std.err. =  $\pm 1166 \text{ s } [= \pm 4.9^\circ]$

Plate 564

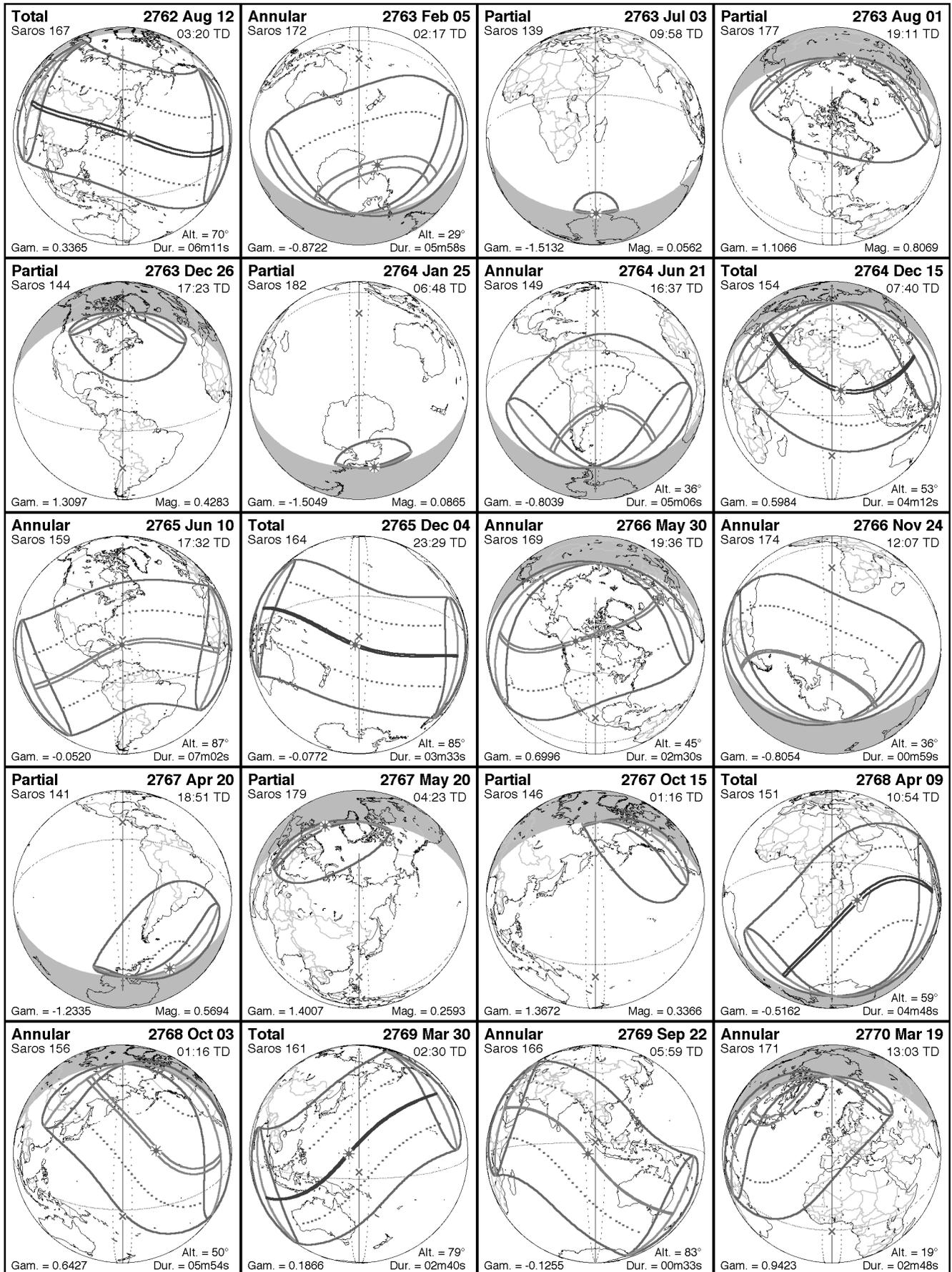


$\Delta T = 2769 \text{ s } [= 00\text{h}46\text{m}]$

std.err. =  $\pm 1189 \text{ s } [= \pm 5.0^\circ]$

Plate 565

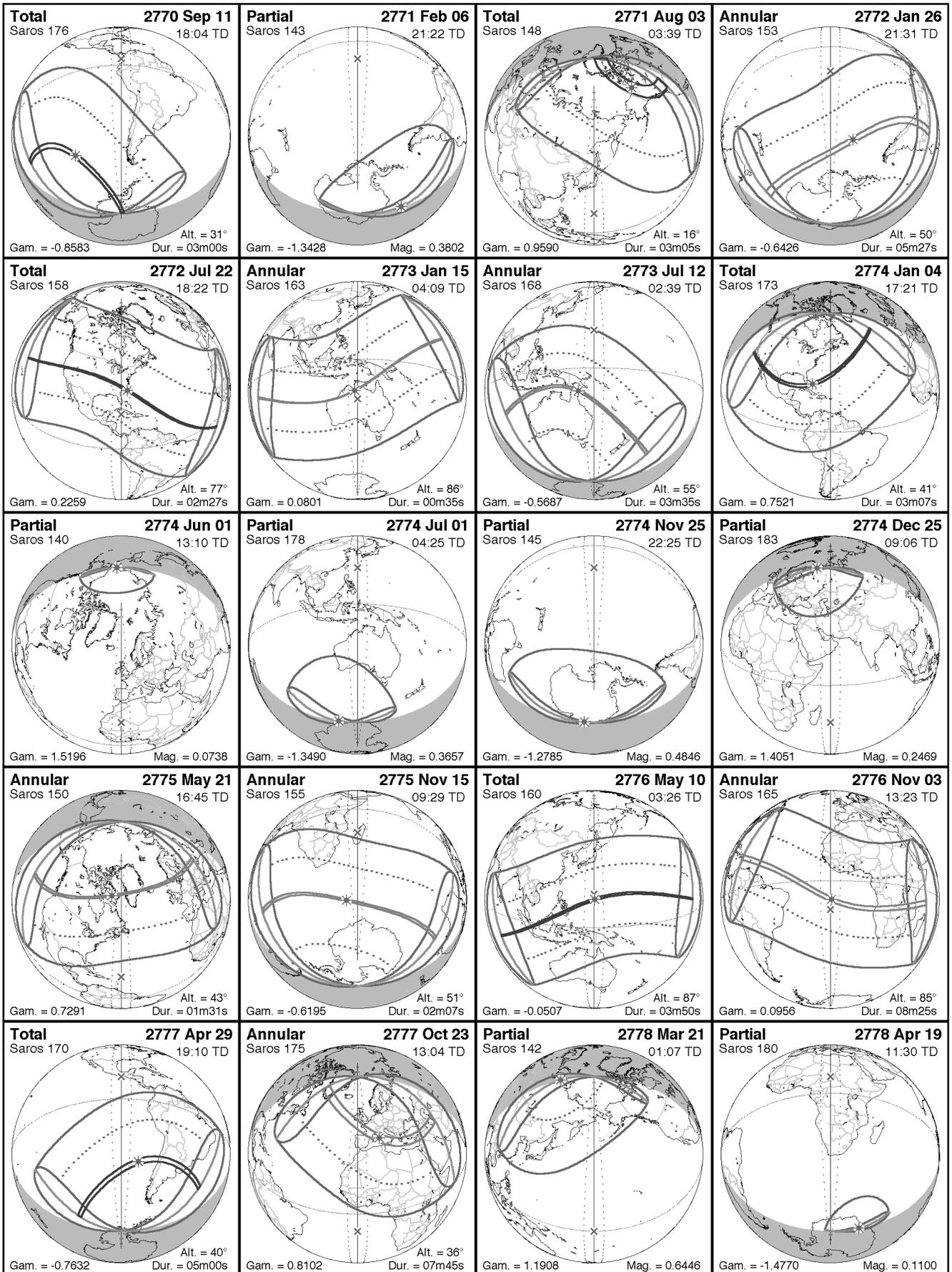
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2815 \text{ s } [= 00\text{h}47\text{m}]$

std.err. =  $\pm 1209 \text{ s } [= \pm 5.0^\circ]$

Plate 566

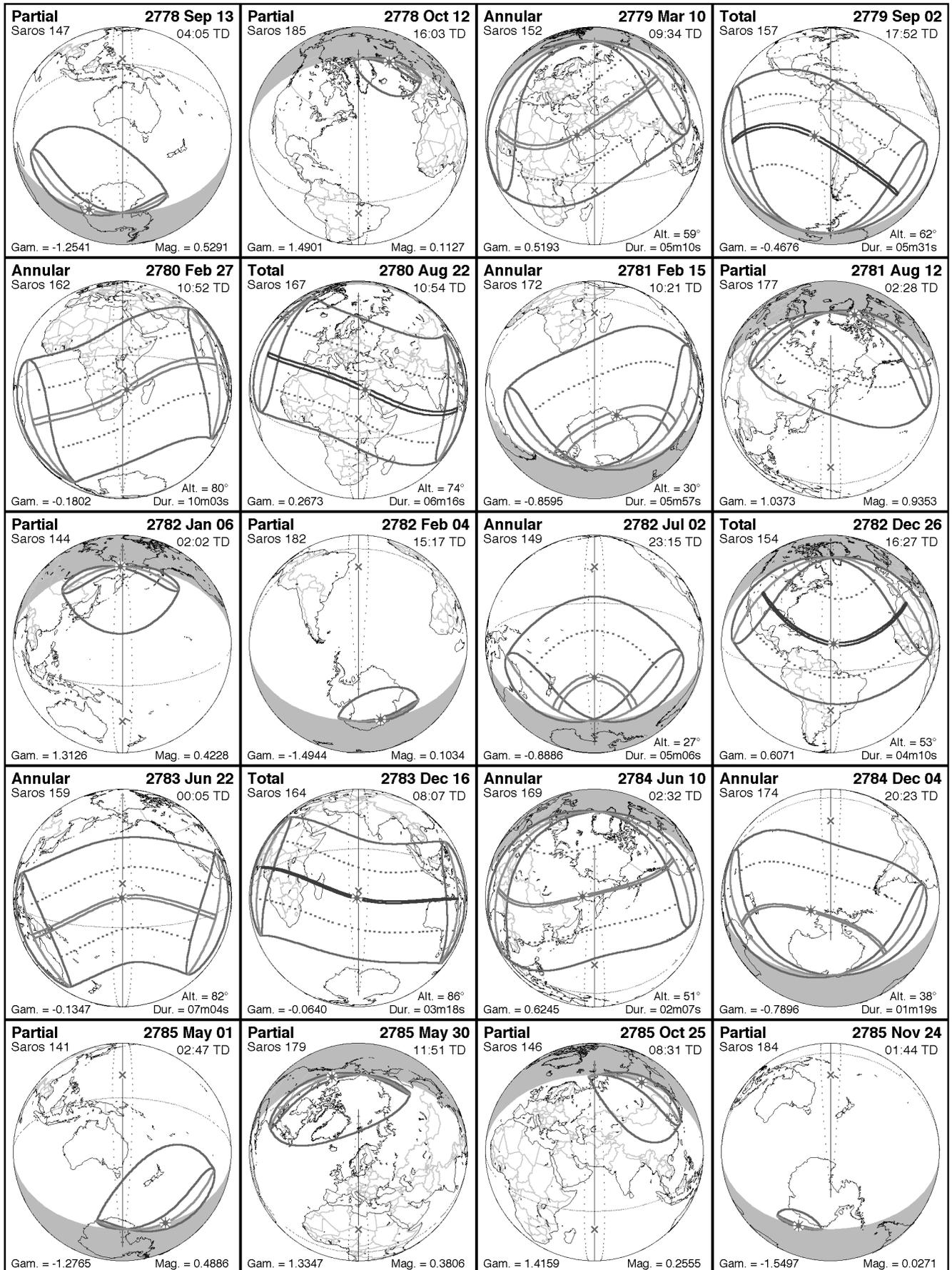


$\Delta T = 2864 \text{ s } [= 00\text{h}48\text{m}]$

std.err. =  $\pm 1230 \text{ s } [= \pm 5.1^\circ]$

Plate 567

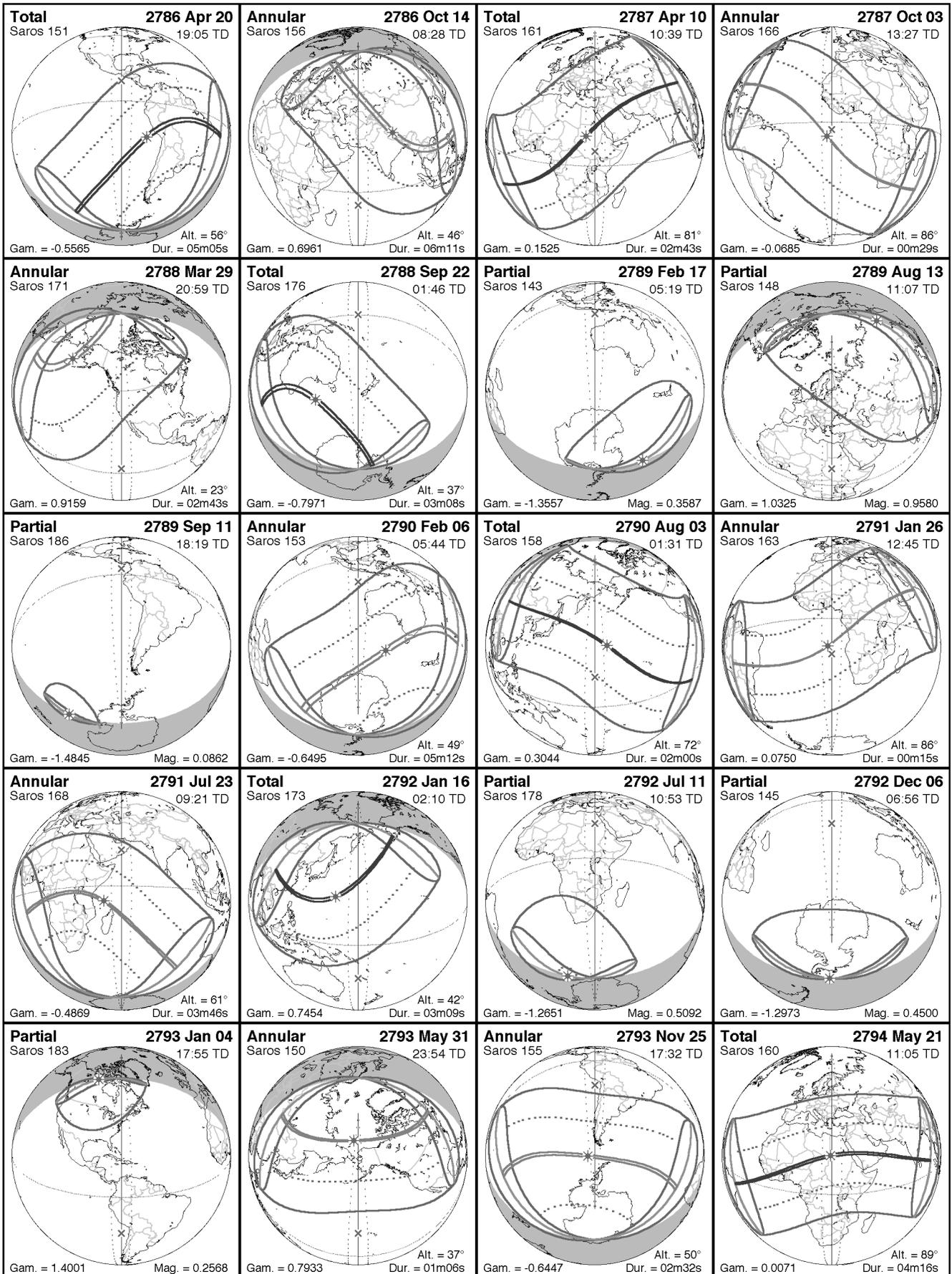
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 2912 \text{ s} [= 00\text{h}49\text{m}]$

std.err. =  $\pm 1251 \text{ s} [= \pm 5.2^\circ]$

Plate 568

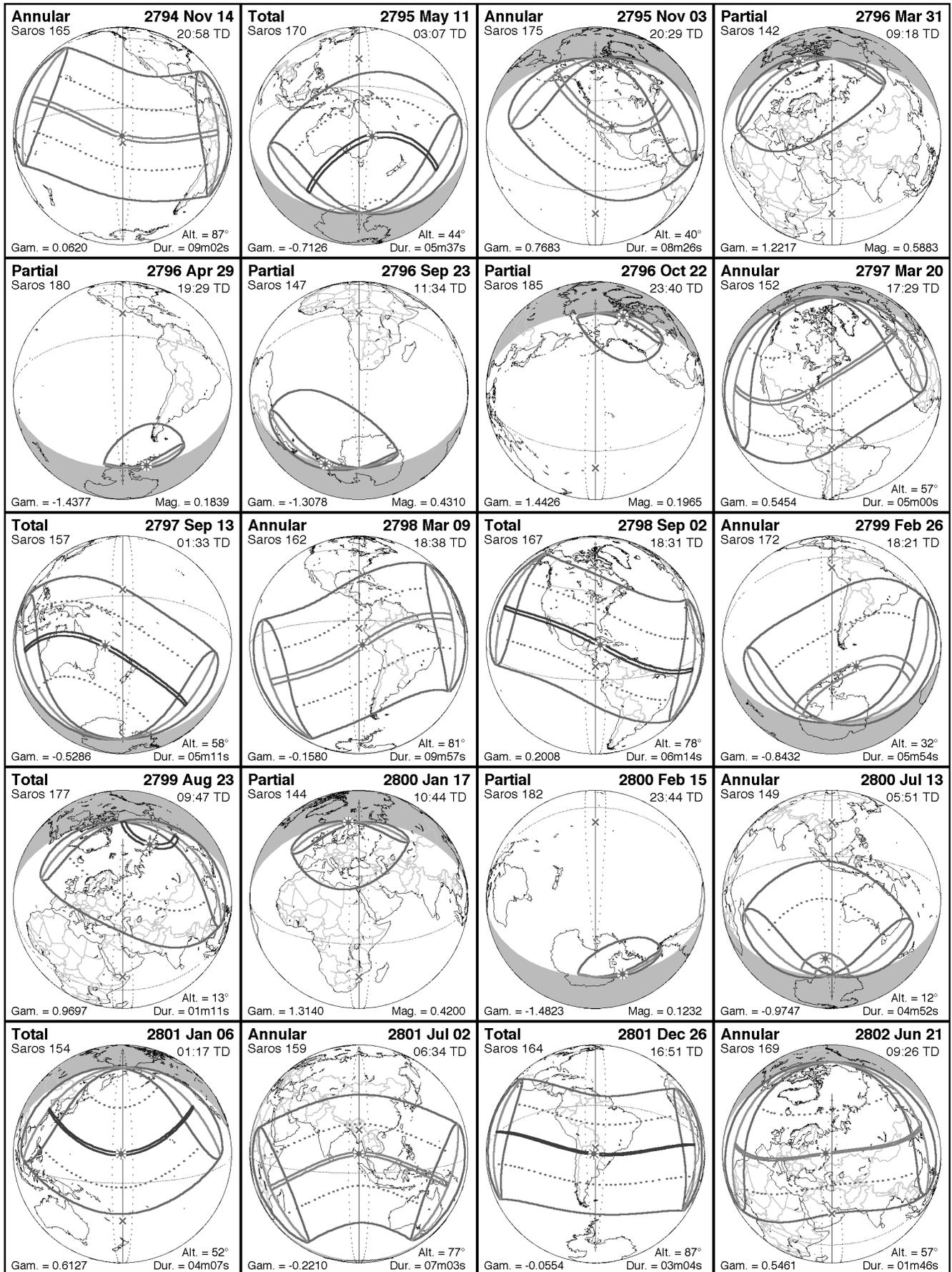


$\Delta T = 2959 \text{ s} [= 00\text{h}49\text{m}]$

std.err. =  $\pm 1271 \text{ s} [= \pm 5.3^\circ]$

Plate 569

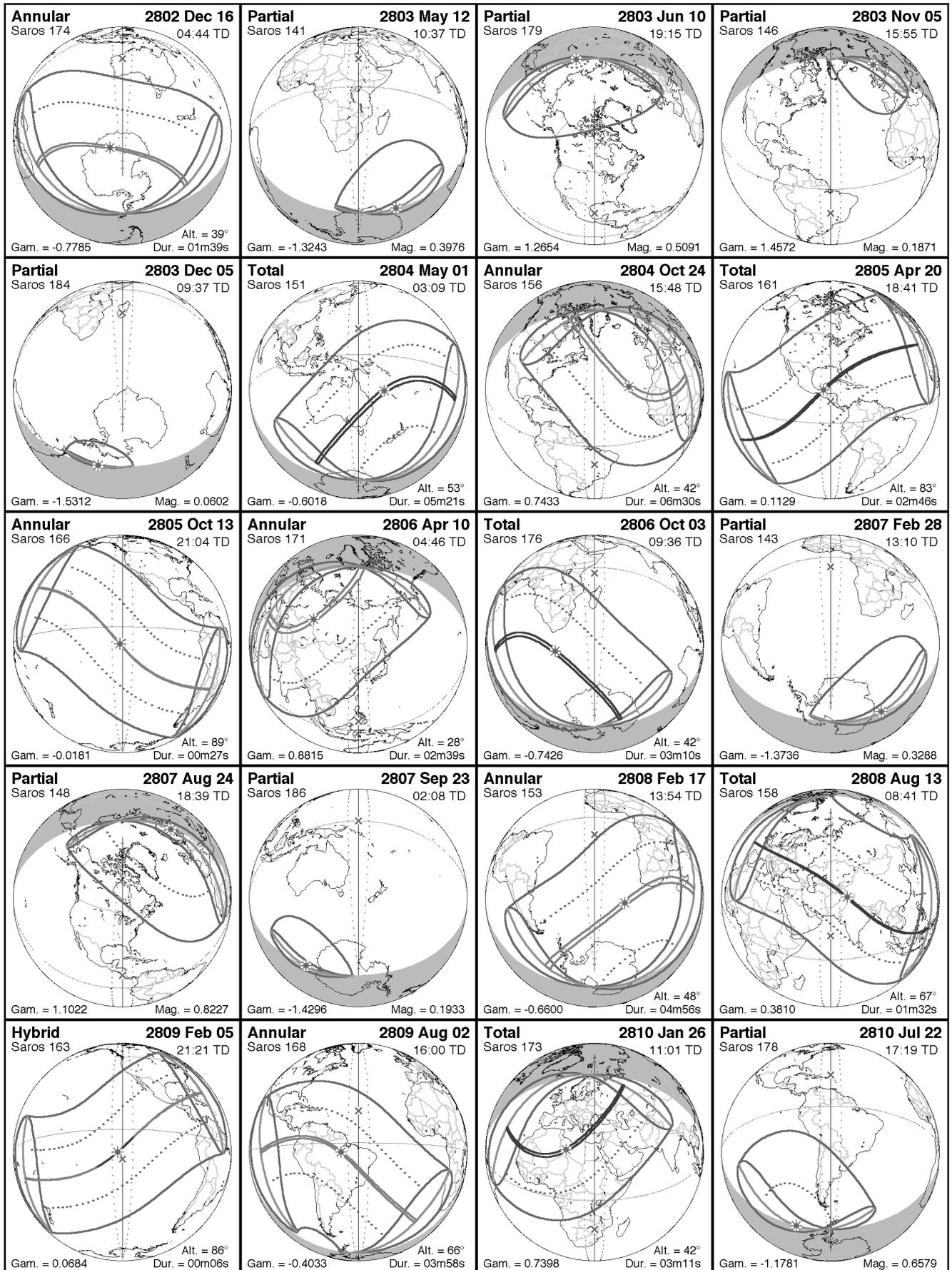
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3012 \text{ s} [= 00\text{h}50\text{m}]$

std.err. =  $\pm 1293 \text{ s} [= \pm 5.4^\circ]$

Plate 570

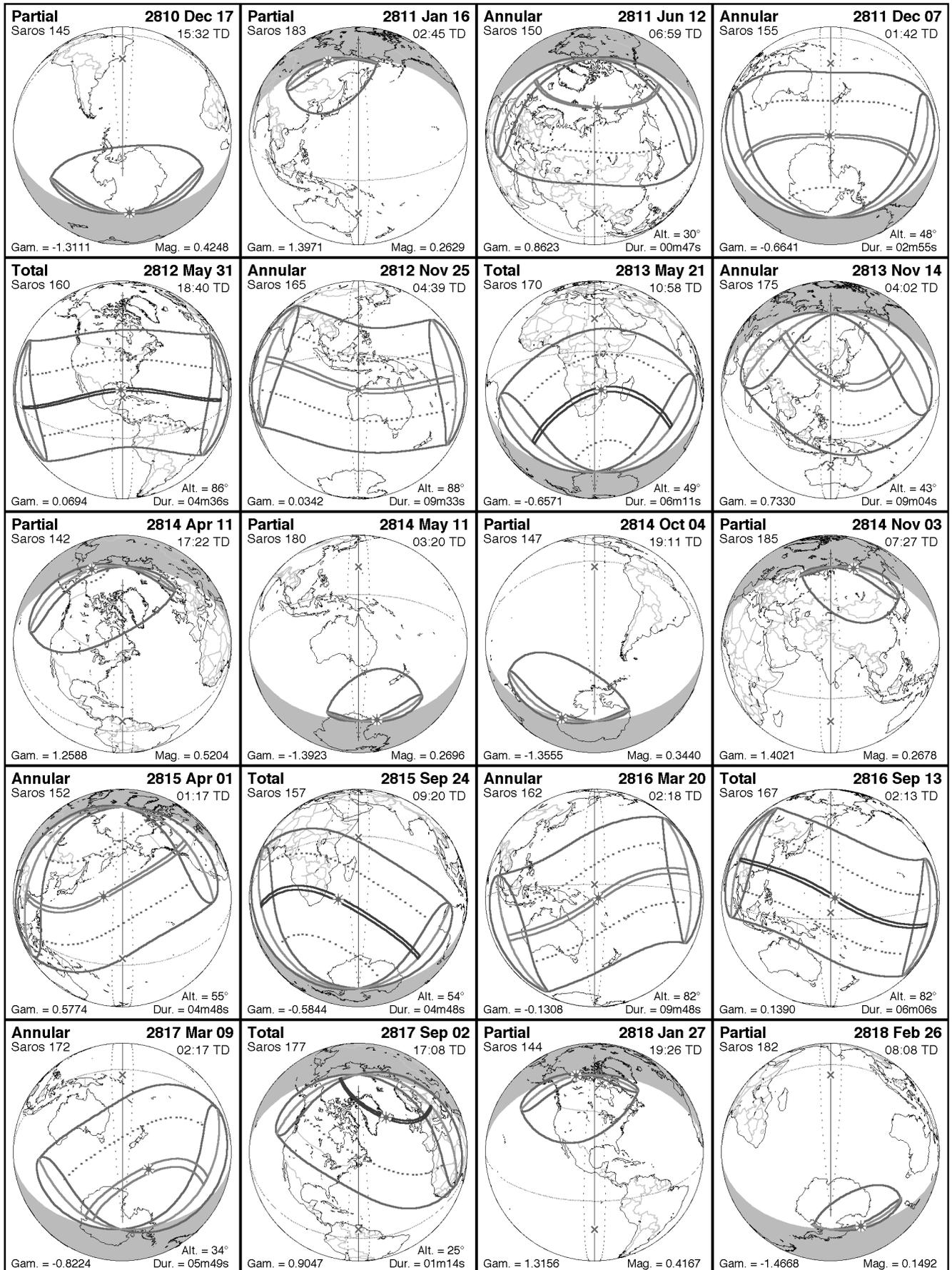


$\Delta T = 3063 \text{ s } [= 00\text{h}51\text{m}]$

std.err. =  $\pm 1315 \text{ s } [= \pm 5.5^\circ]$

Plate 571

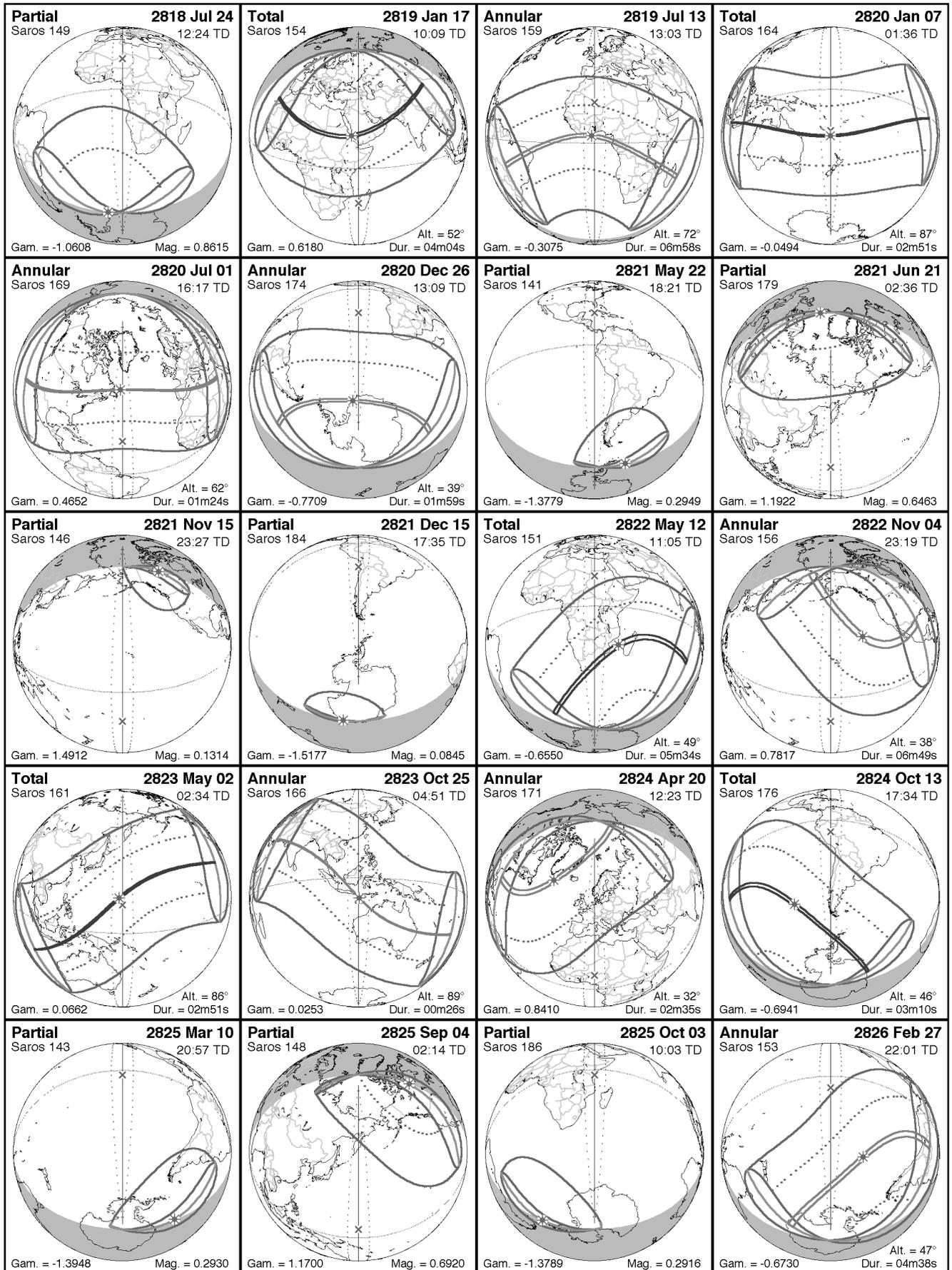
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3113 \text{ s } [= 00\text{h}52\text{m}]$

std.err. =  $\pm 1336 \text{ s } [= \pm 5.6^\circ]$

Plate 572

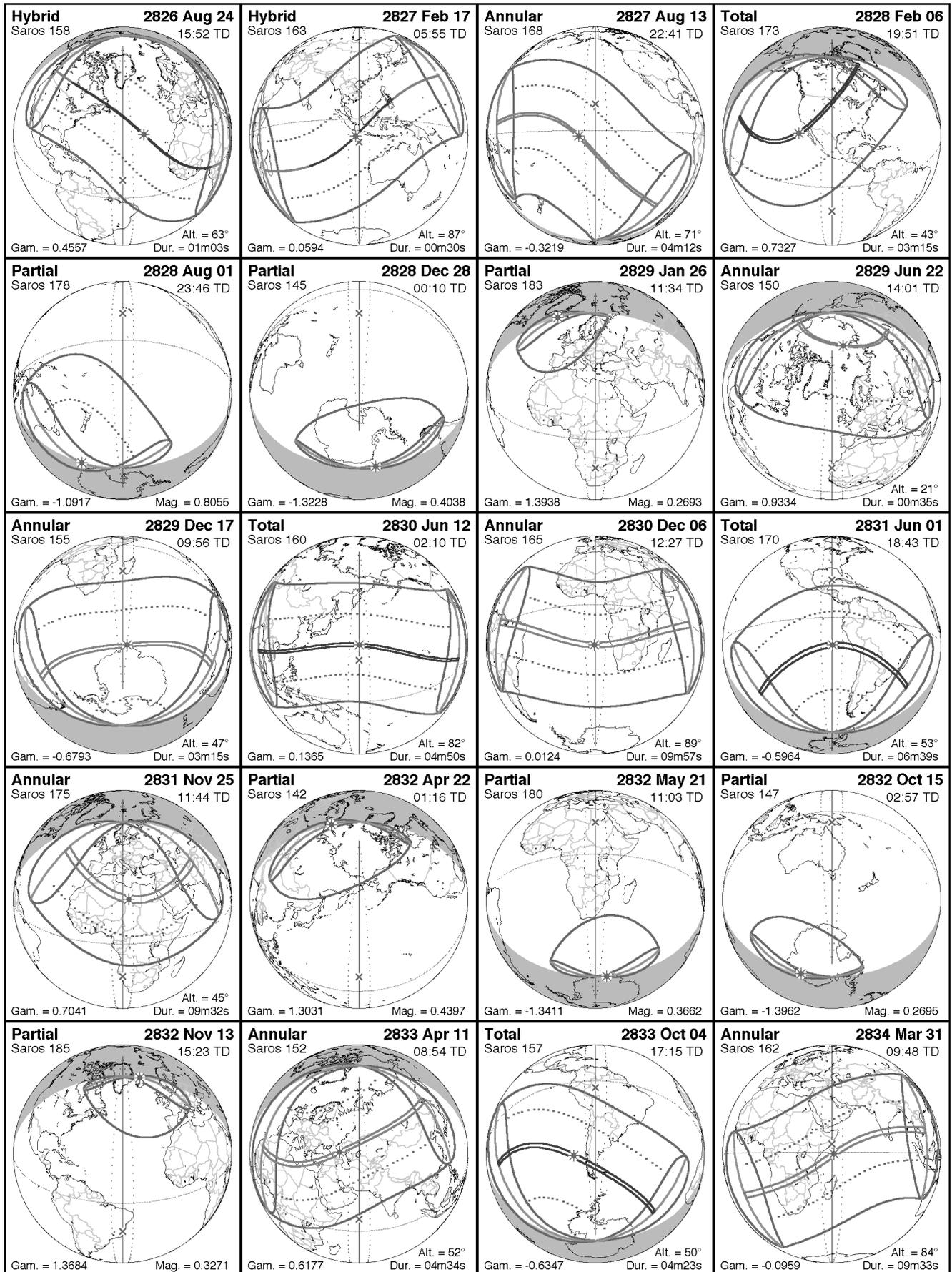


$\Delta T = 3161 \text{ s } [= 00\text{h}53\text{m}]$

std.err. =  $\pm 1357 \text{ s } [= \pm 5.7^\circ]$

Plate 573

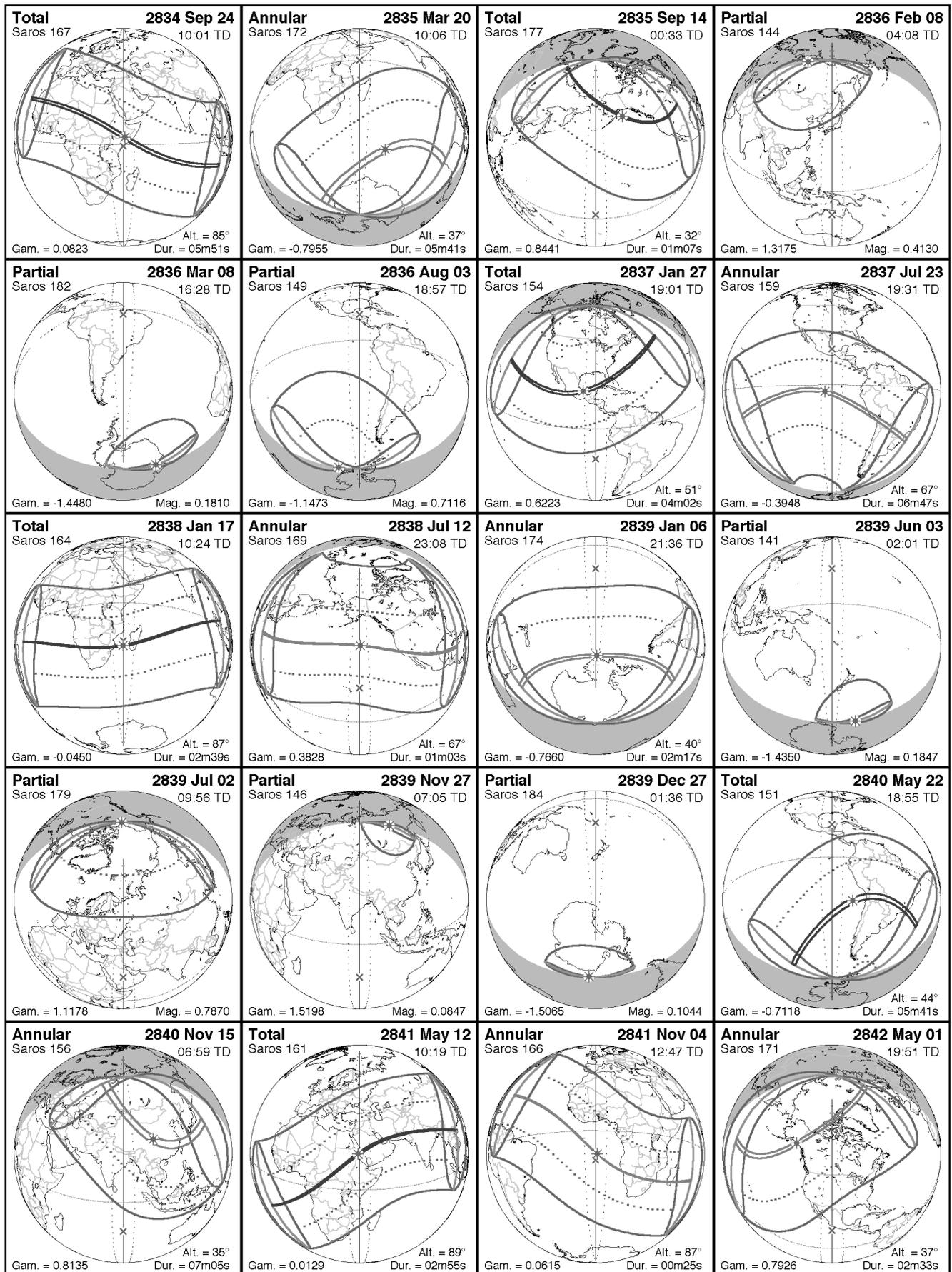
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3213 \text{ s } [= 00\text{h}54\text{m}]$

std.err. =  $\pm 1379 \text{ s } [= \pm 5.7^\circ]$

Plate 574

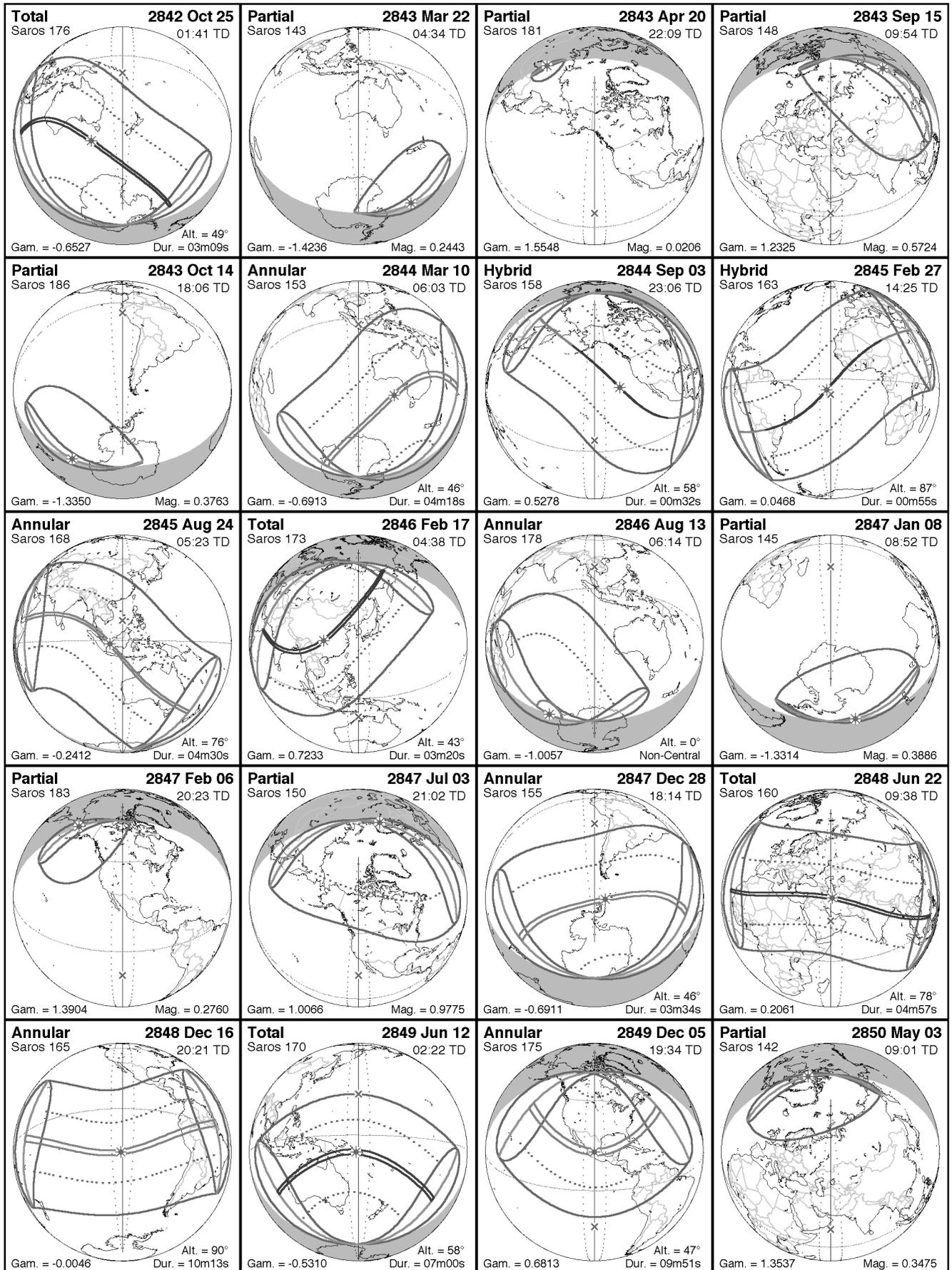


$\Delta T = 3265 \text{ s } [= 00\text{h}54\text{m}]$

std.err. =  $\pm 1401 \text{ s } [= \pm 5.8^\circ]$

Plate 575

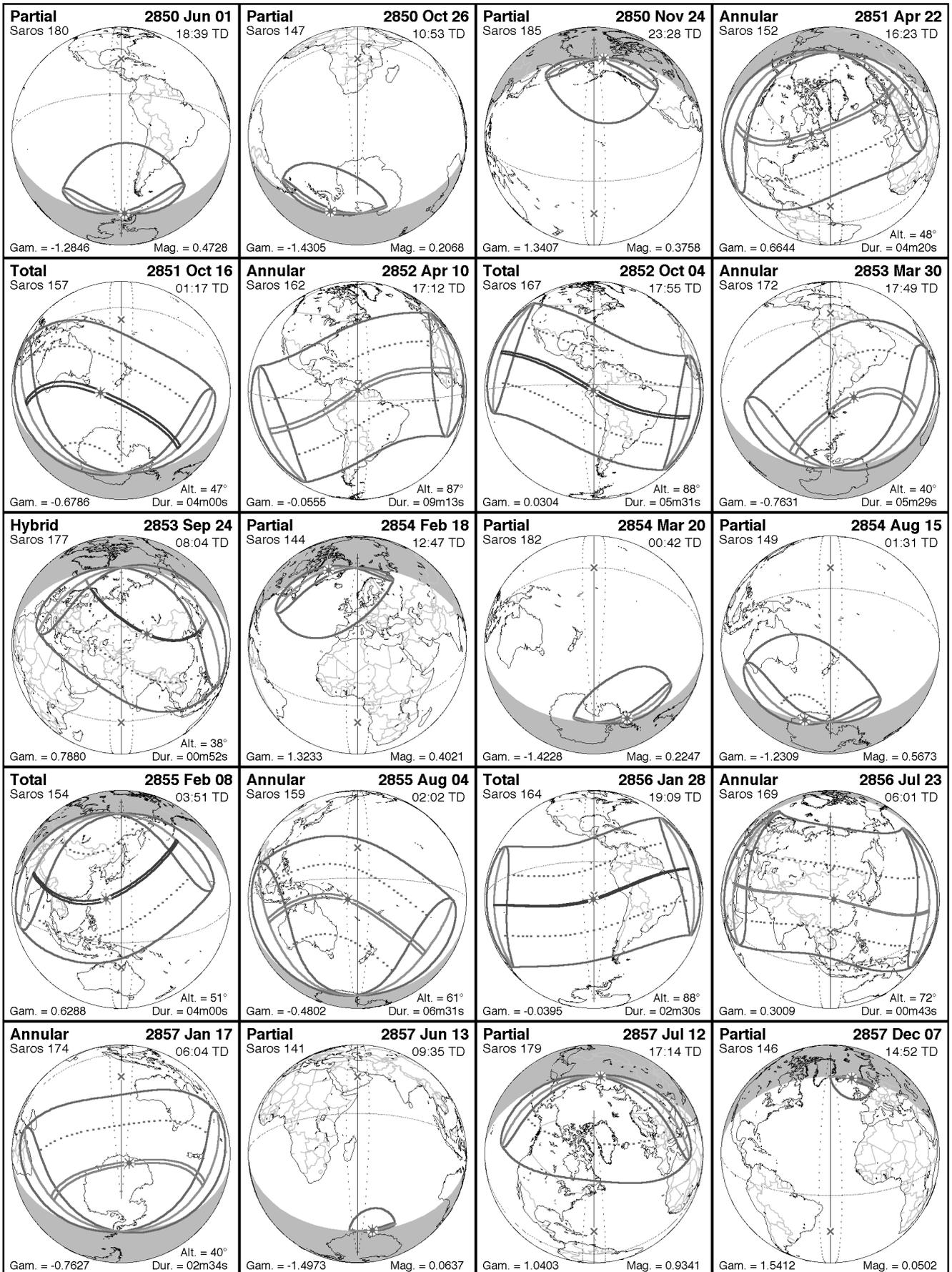
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3317 \text{ s } [= 00\text{h}55\text{m}]$

std.err. =  $\pm 1423 \text{ s } [= \pm 5.9^\circ]$

Plate 576

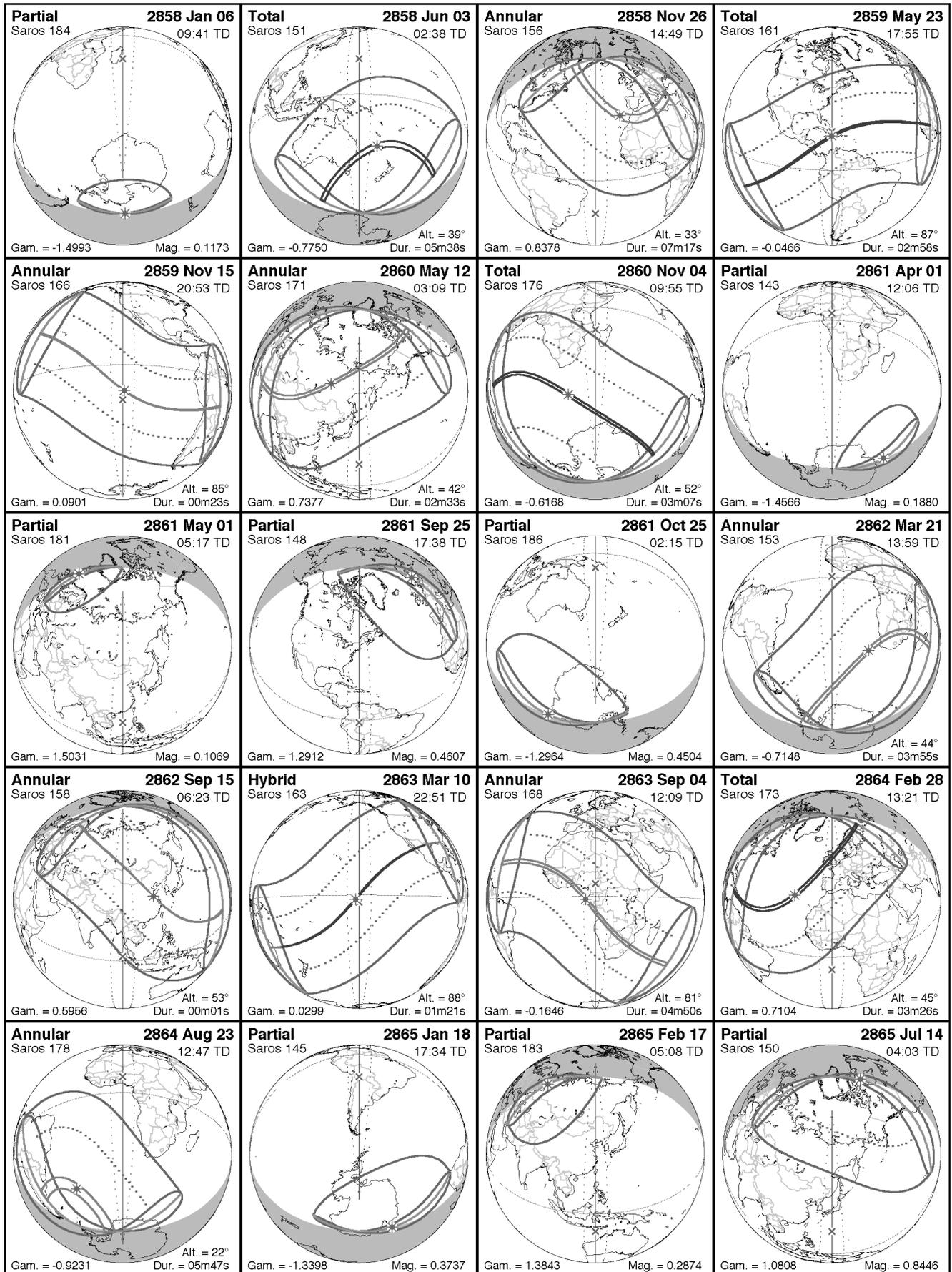


$\Delta T = 3367 \text{ s } [= 00\text{h}56\text{m}]$

std.err. =  $\pm 1444 \text{ s } [= \pm 6.0^\circ]$

Plate 577

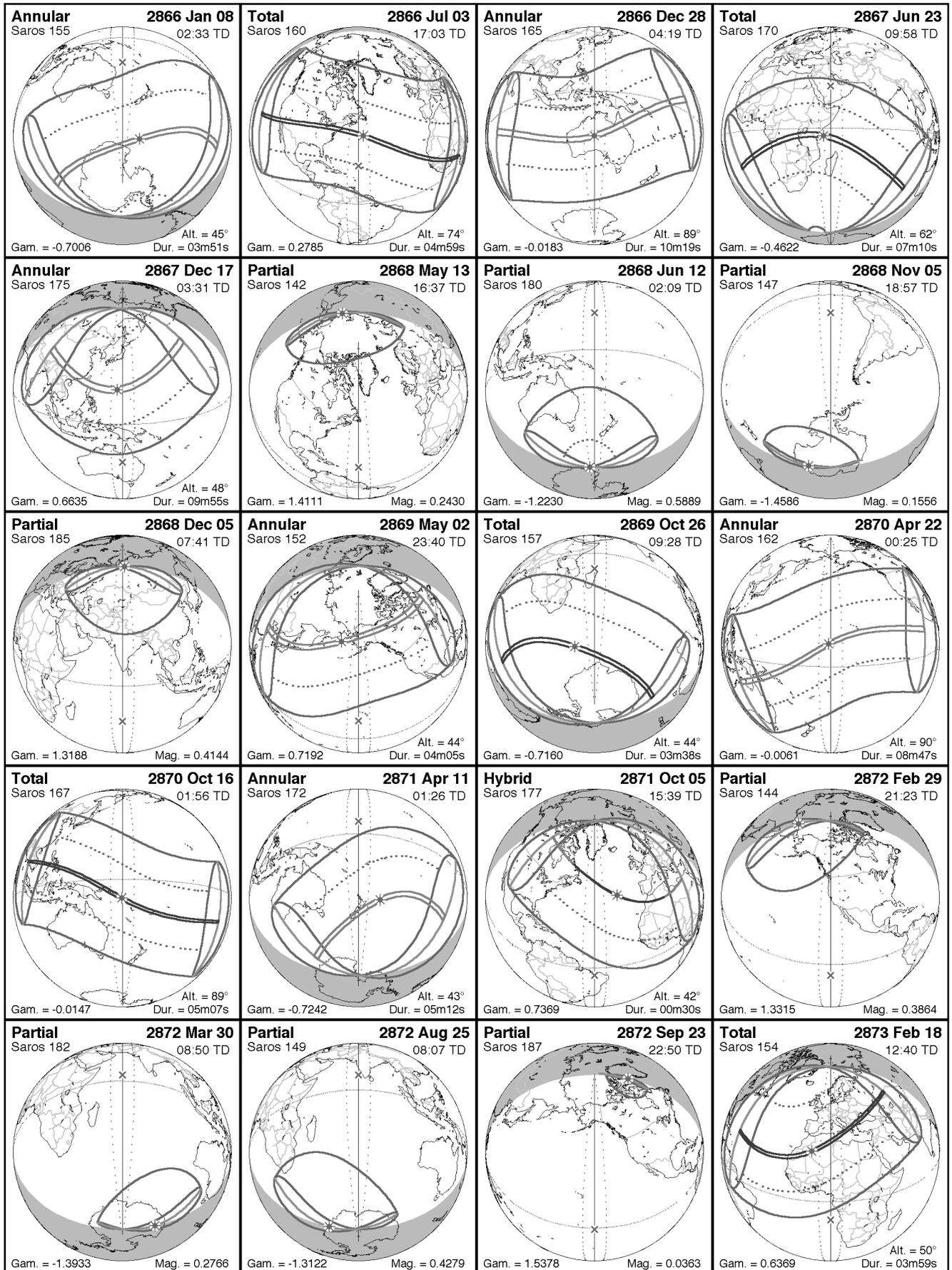
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3417 \text{ s} [= 00\text{h}57\text{m}]$

std.err. =  $\pm 1465 \text{ s} [= \pm 6.1^\circ]$

Plate 578

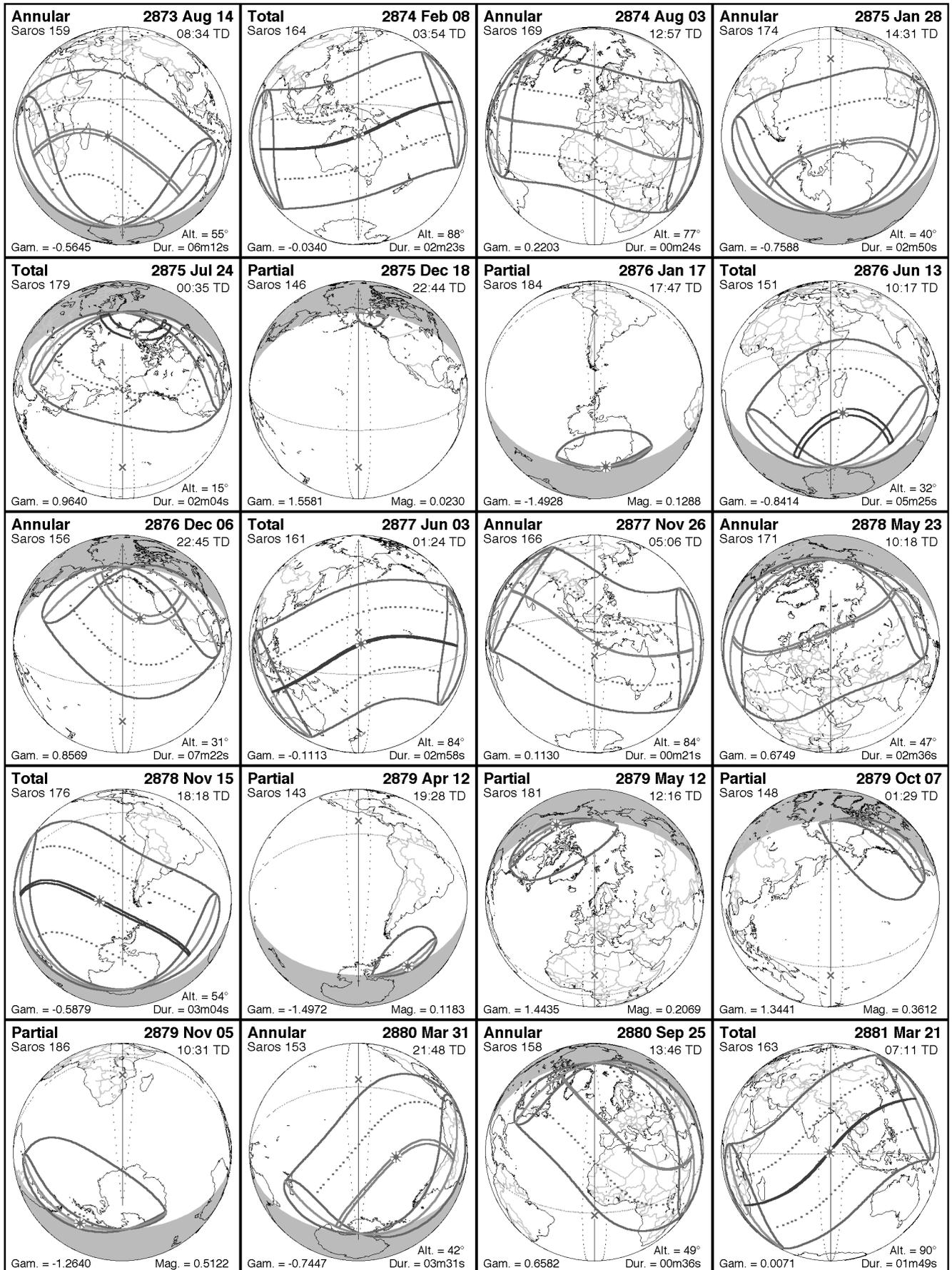


$\Delta T = 3471 \text{ s} [= 00\text{h}58\text{m}]$

std.err. =  $\pm 1488 \text{ s} [= \pm 6.2^\circ]$

Plate 579

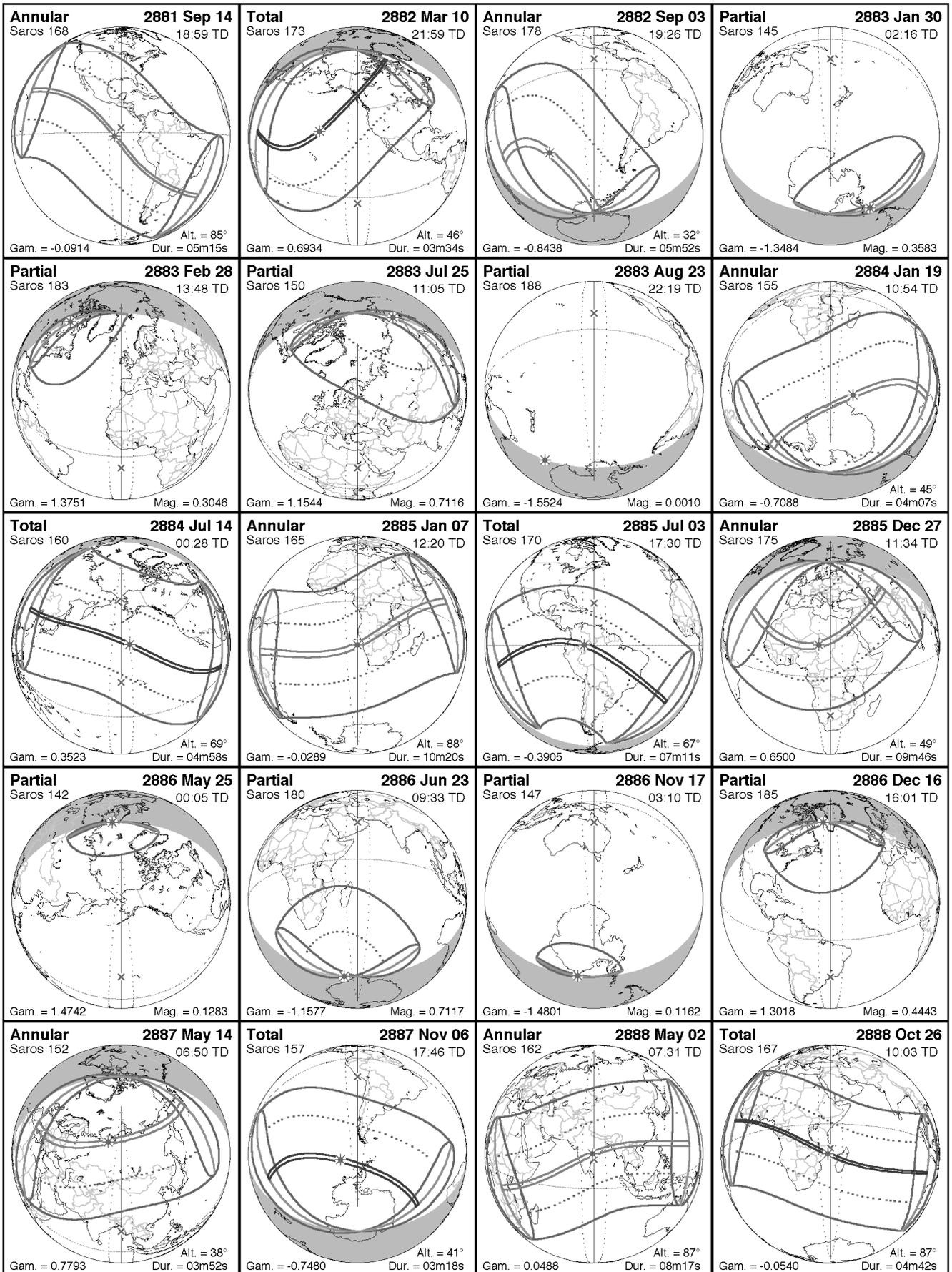
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3521 \text{ s } [= 00\text{h}59\text{m}]$

std.err. =  $\pm 1509 \text{ s } [= \pm 6.3^\circ]$

Plate 580

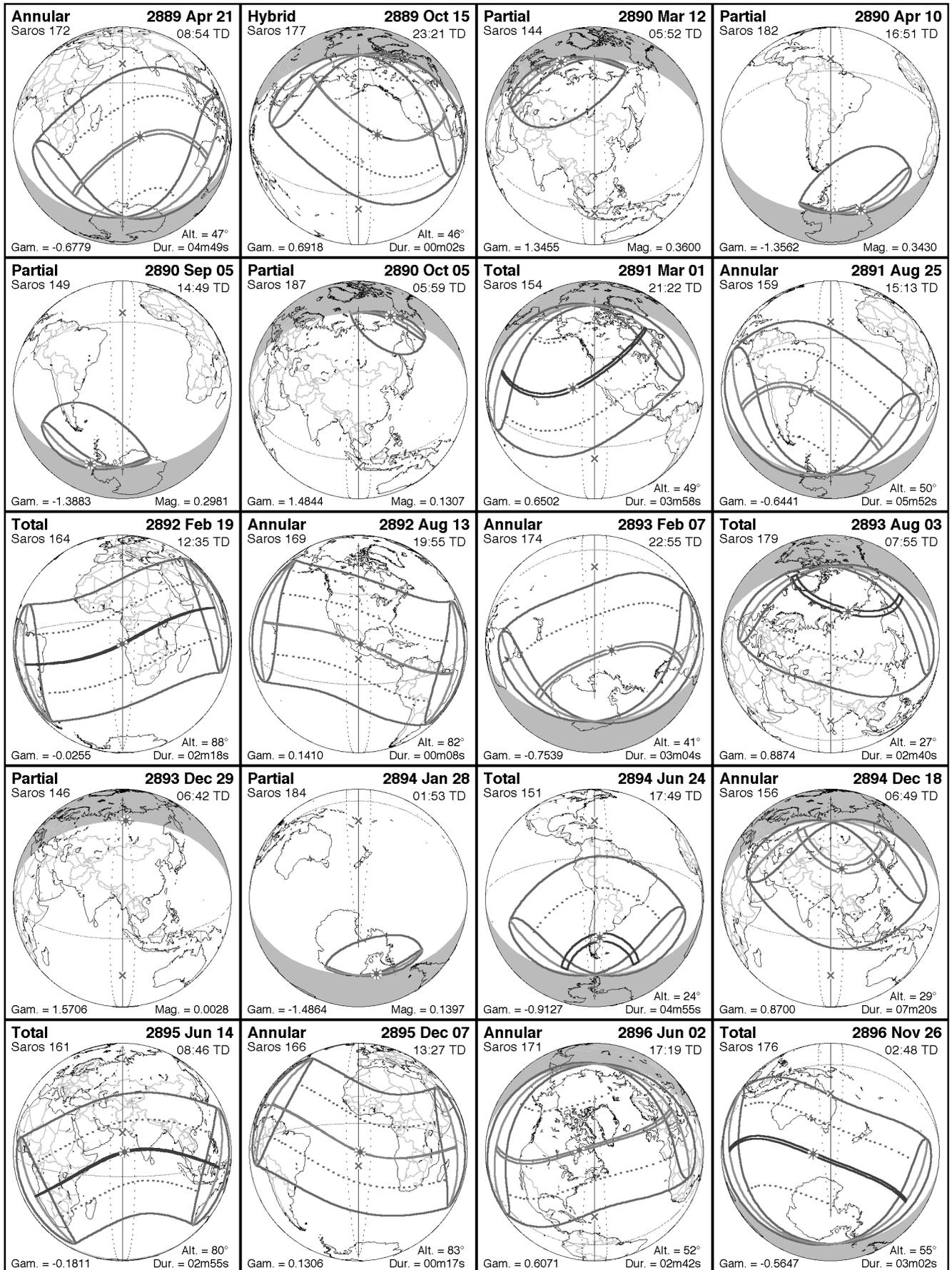


$\Delta T = 3576 \text{ s } [= 01\text{h}00\text{m}]$

std.err. =  $\pm 1532 \text{ s } [= \pm 6.4^\circ]$

Plate 581

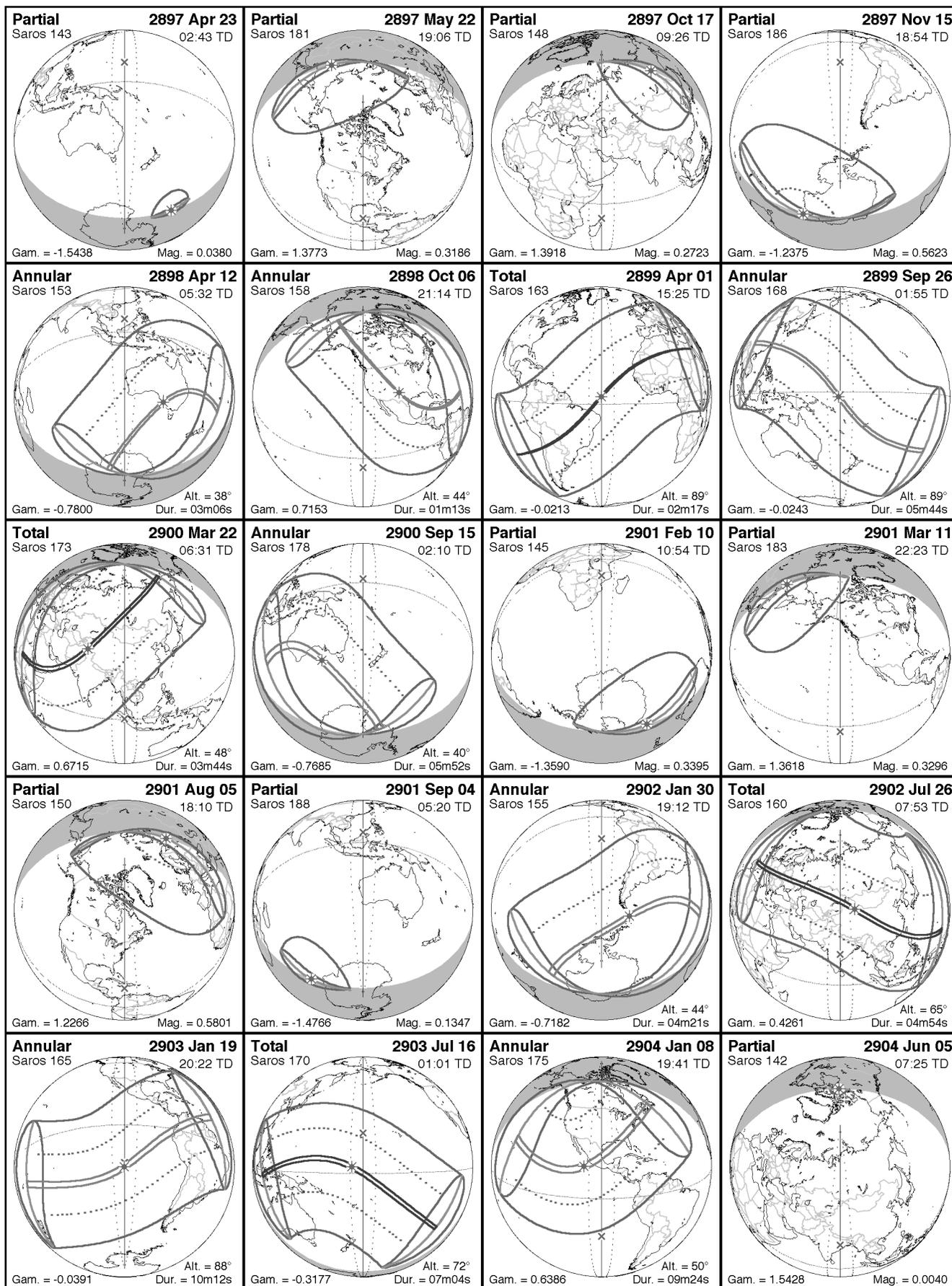
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3628 \text{ s } [= 01\text{h}00\text{m}]$

std.err. =  $\pm 1554 \text{ s } [= \pm 6.5^\circ]$

Plate 582

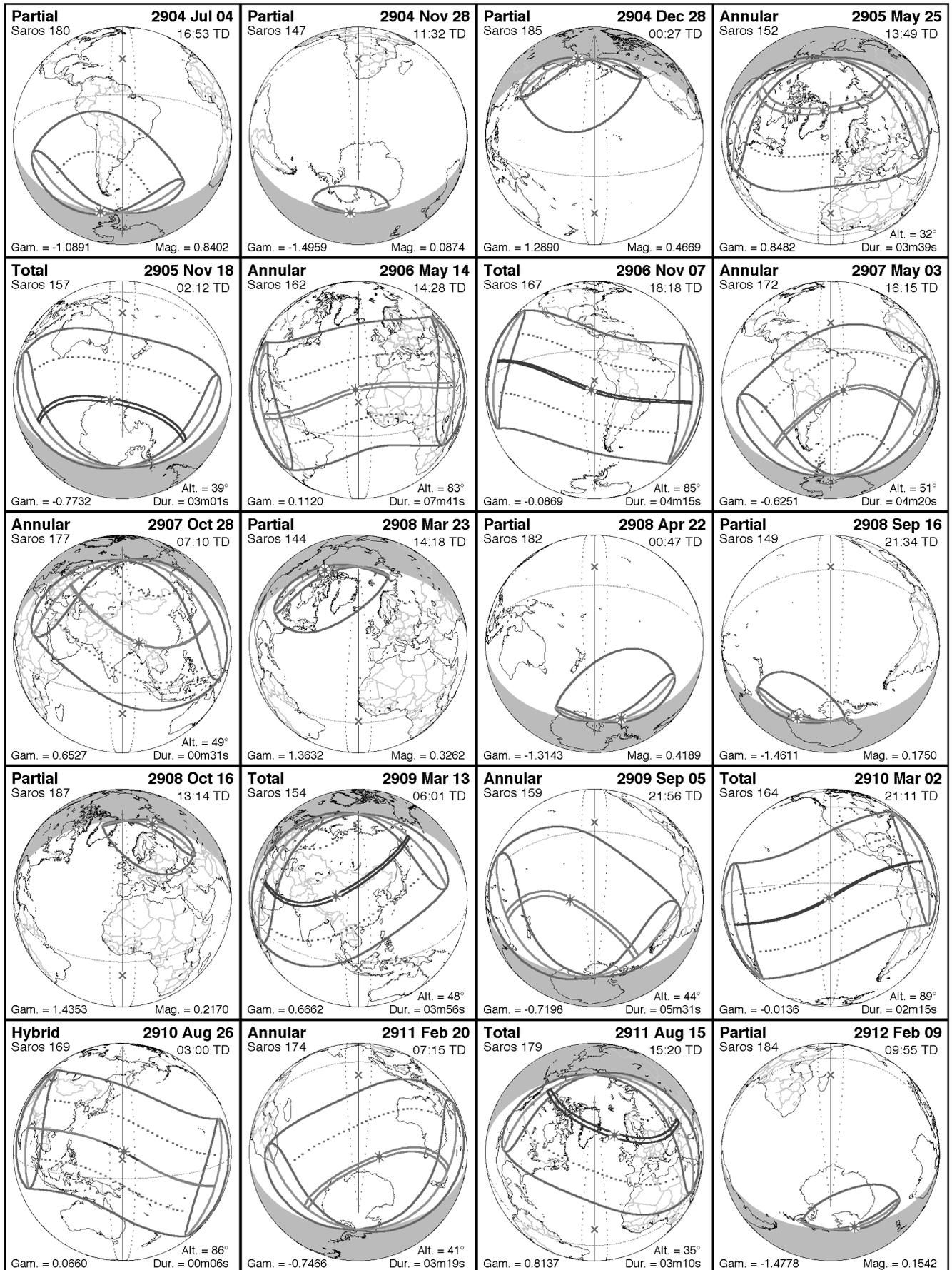


$\Delta T = 3682 \text{ s } [= 01\text{h}01\text{m}]$

std.err. =  $\pm 1577 \text{ s } [= \pm 6.6^\circ]$

Plate 583

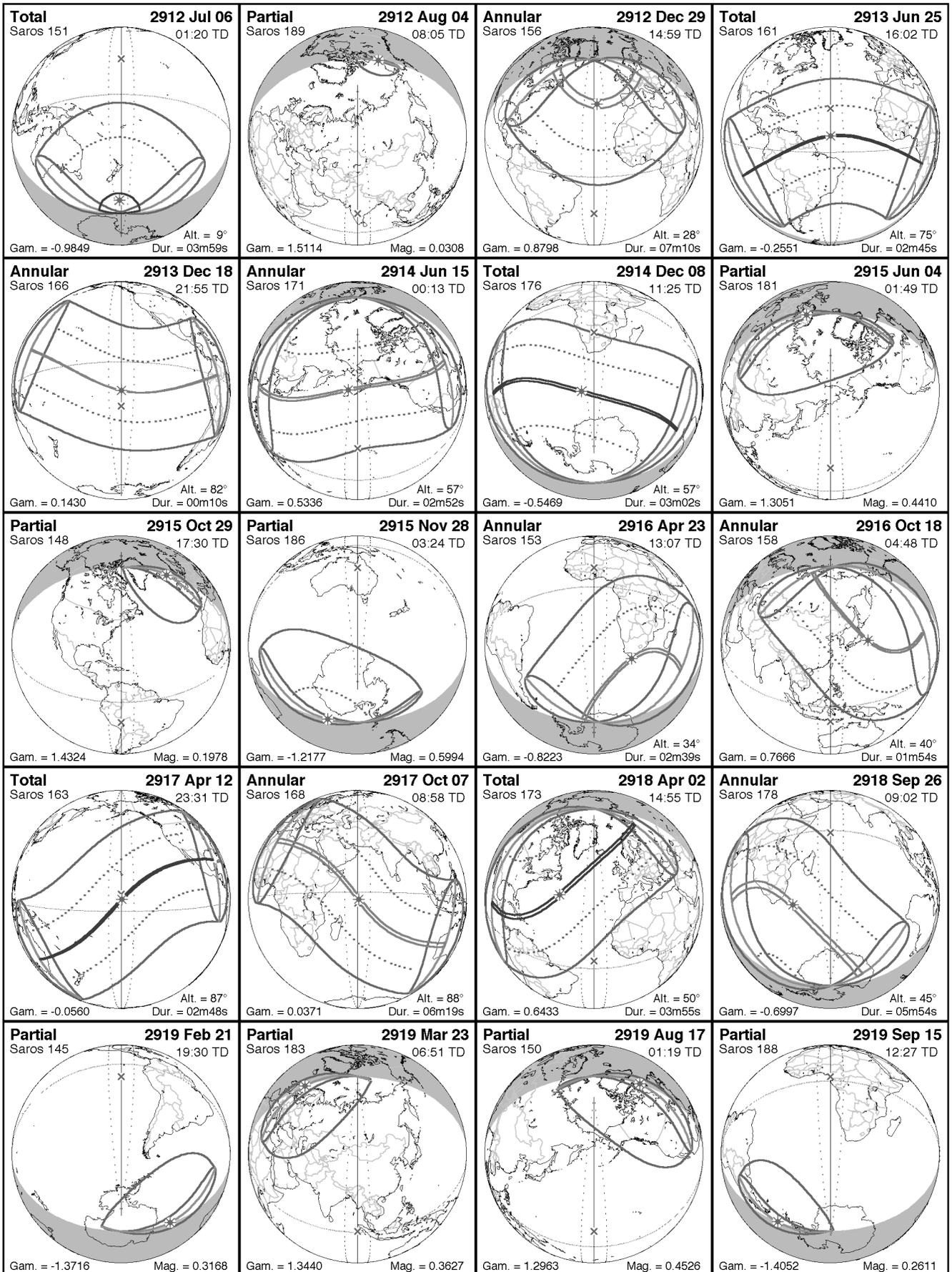
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3732 \text{ s } [= 01\text{h}02\text{m}]$

std.err. =  $\pm 1598 \text{ s } [= \pm 6.7^\circ]$

Plate 584

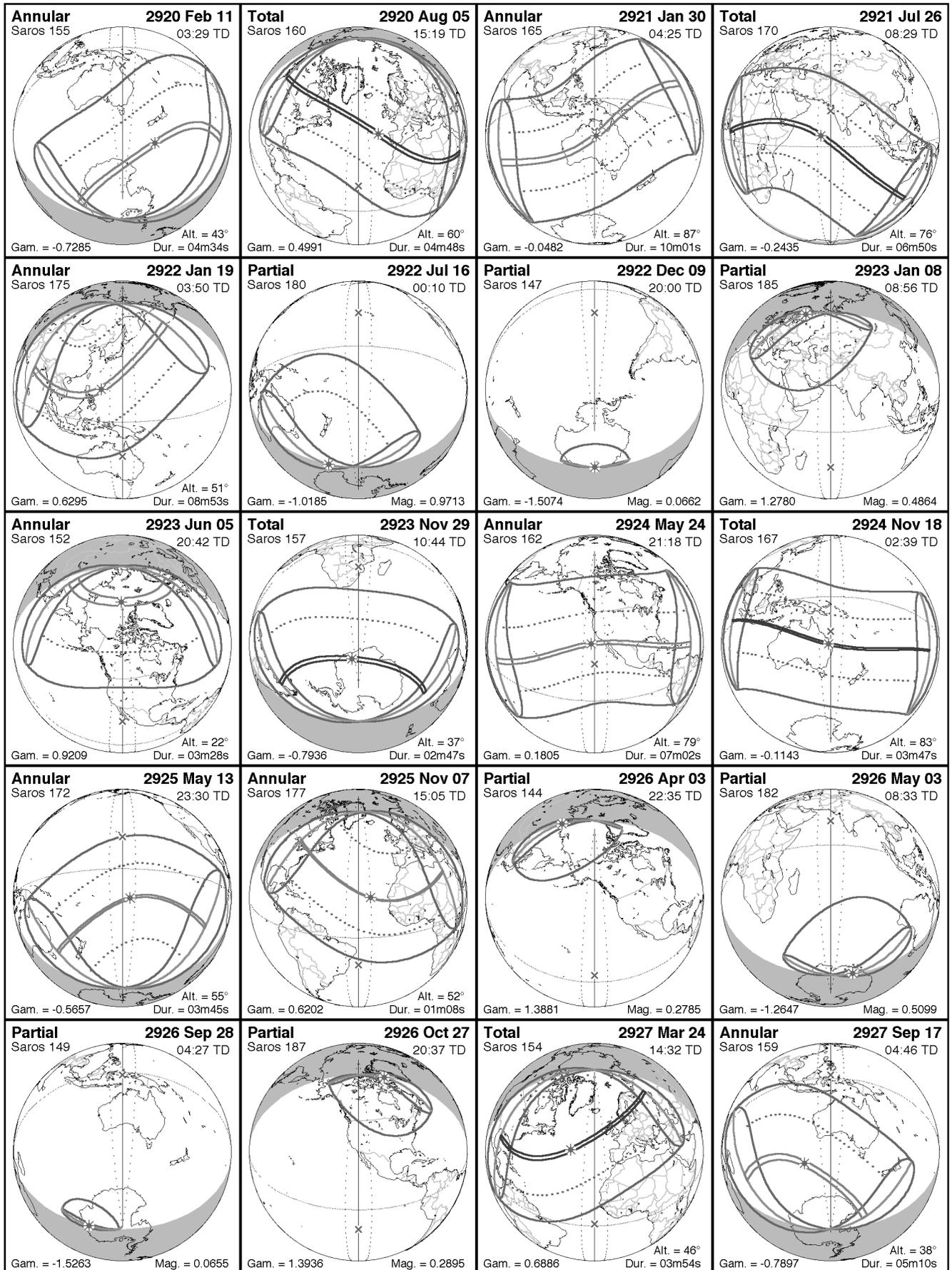


$\Delta T = 3788 \text{ s } [= 01\text{h}03\text{m}]$

std.err. =  $\pm 1621 \text{ s } [= \pm 6.8^\circ]$

Plate 585

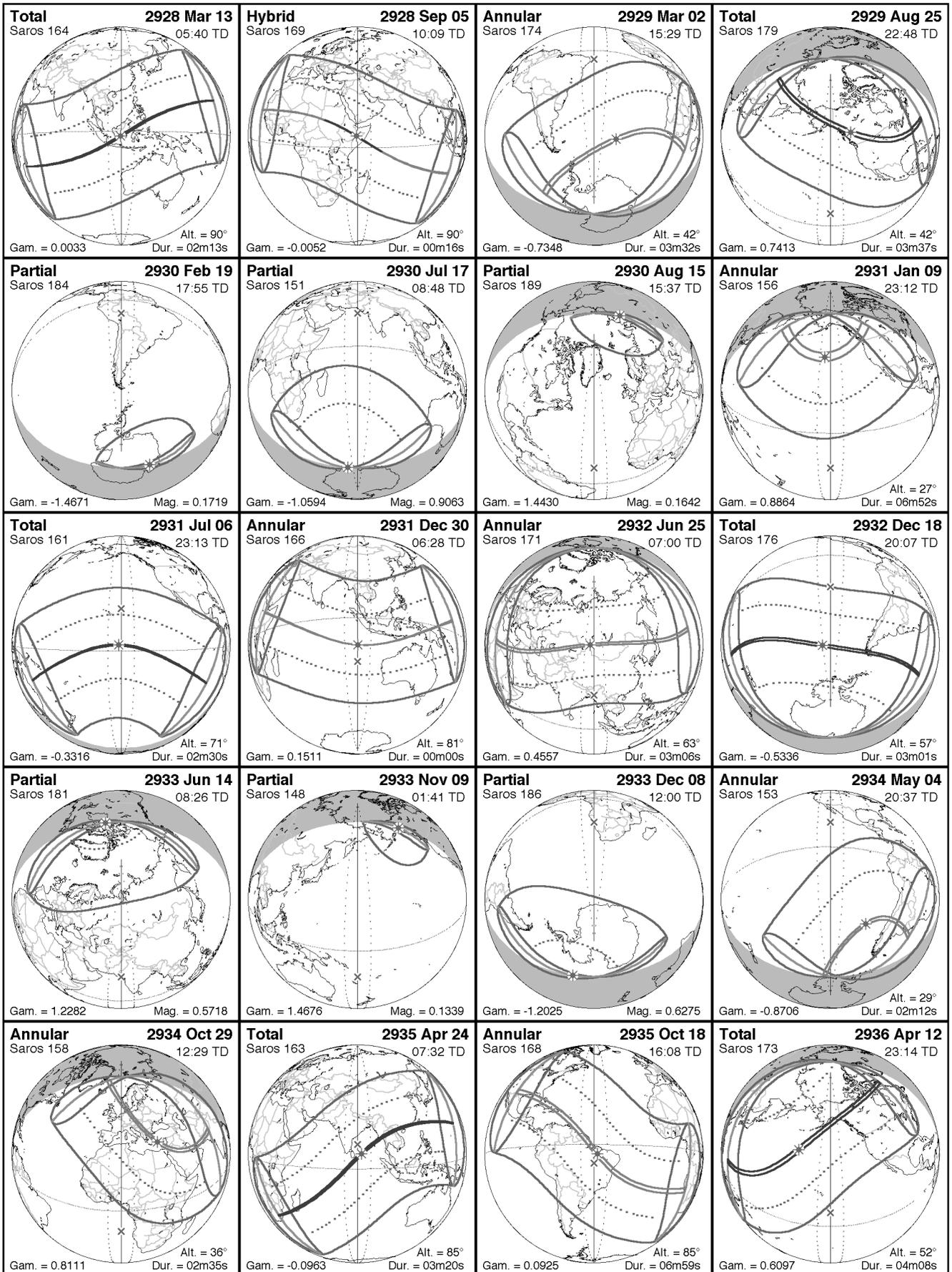
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3841 \text{ s } [= 01\text{h}04\text{m}]$

std.err. =  $\pm 1643 \text{ s } [= \pm 6.8^\circ]$

Plate 586

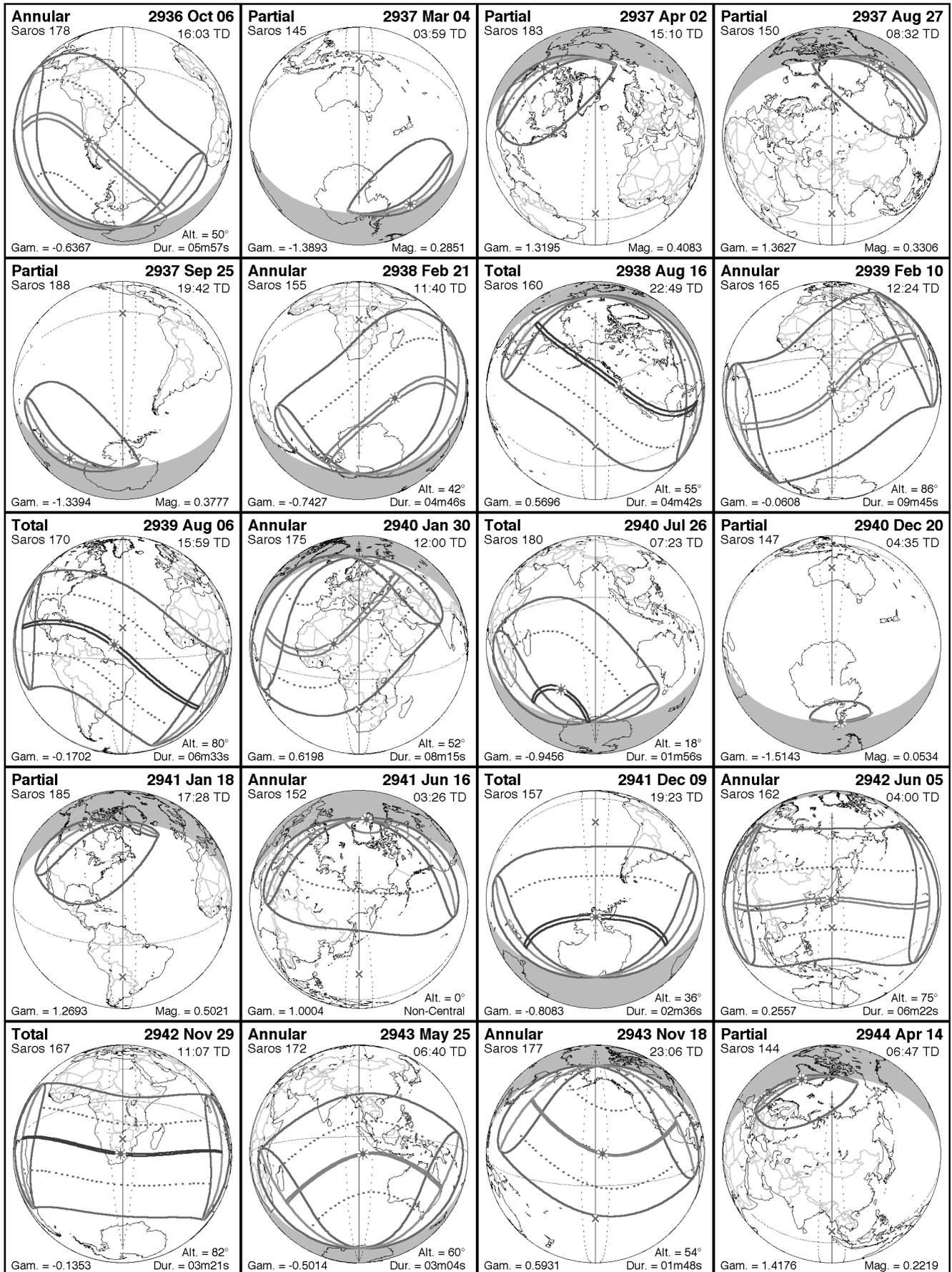


$\Delta T = 3898 \text{ s } [= 01\text{h}05\text{m}]$

std.err. =  $\pm 1667 \text{ s } [= \pm 6.9^\circ]$

Plate 587

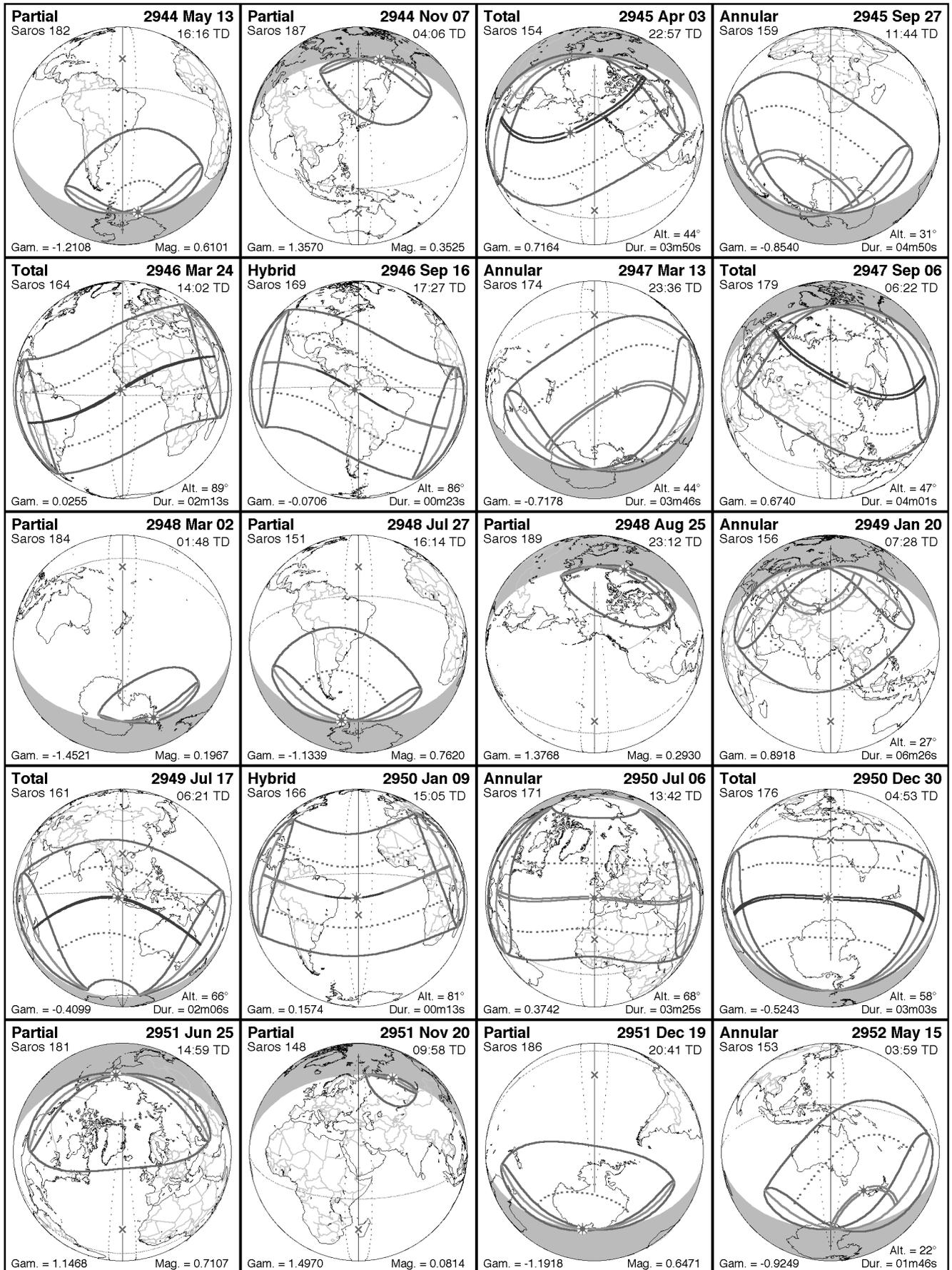
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 3958 \text{ s } [= 01\text{h}06\text{m}]$

std.err. =  $\pm 1692 \text{ s } [= \pm 7.1^\circ]$

Plate 588

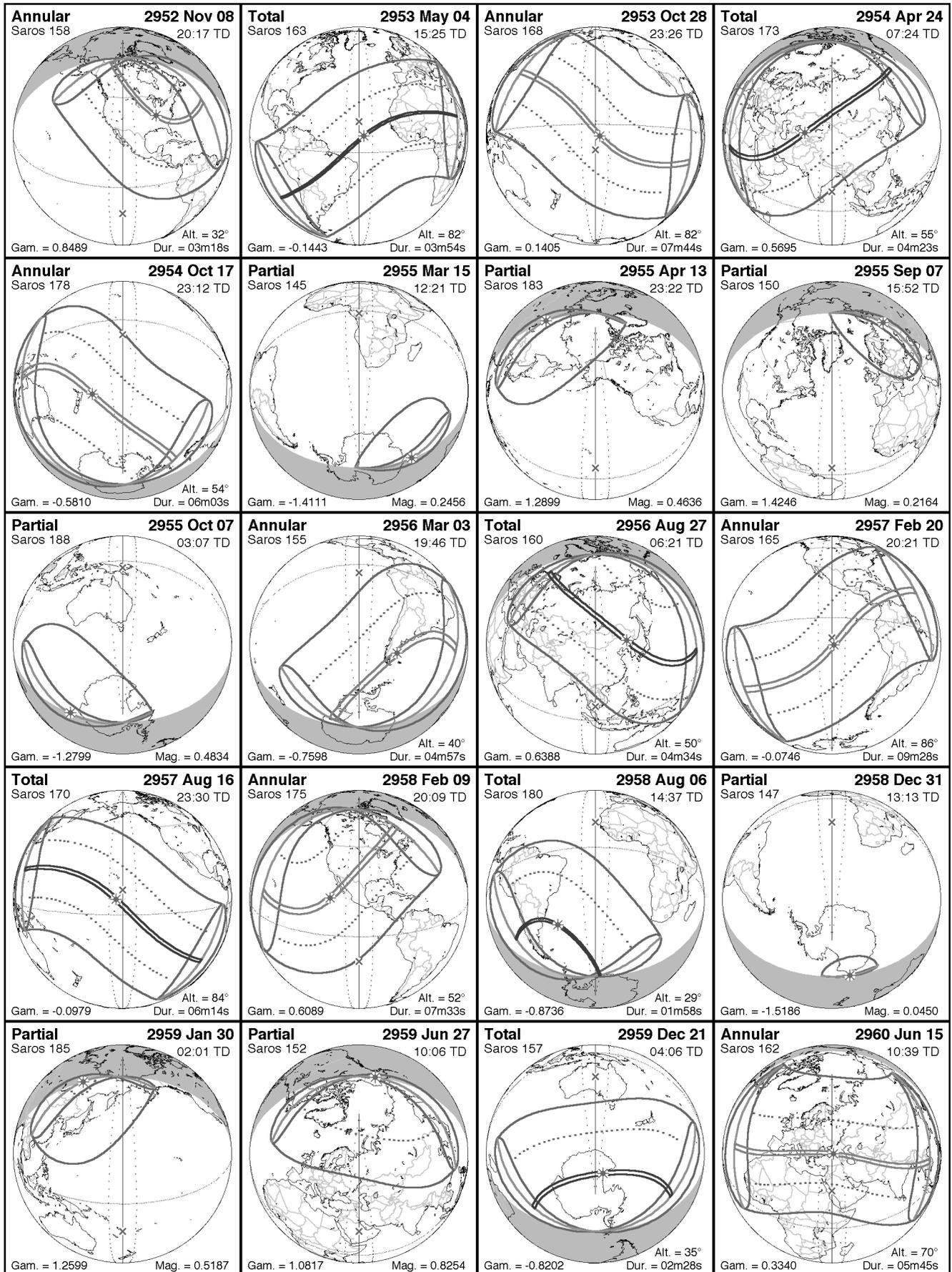


$\Delta T = 4013 \text{ s } [= 01\text{h}07\text{m}]$

std.err. =  $\pm 1715 \text{ s } [= \pm 7.1^\circ]$

Plate 589

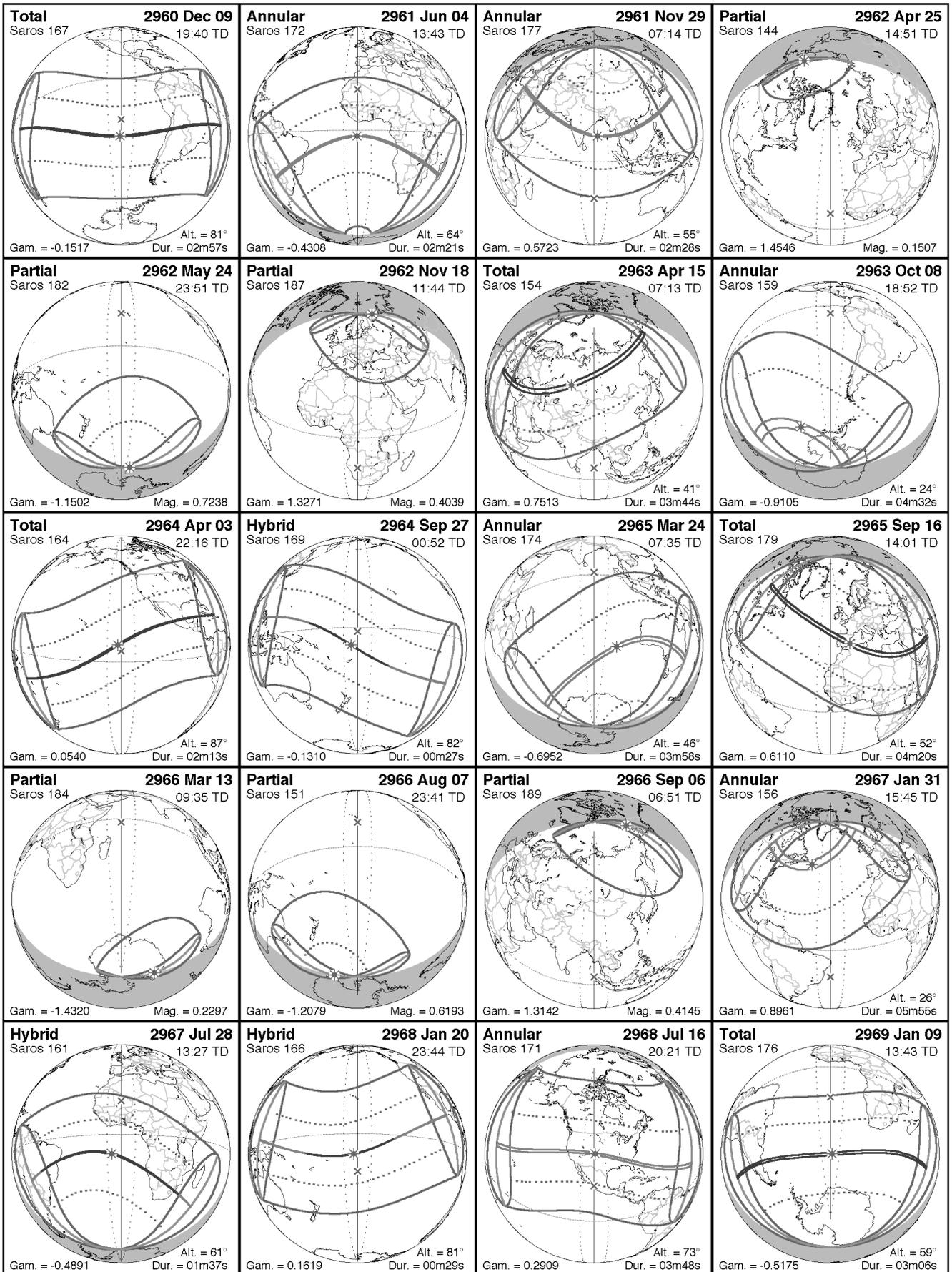
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 4074 \text{ s } [= 01\text{h}08\text{m}]$

std.err. =  $\pm 1740 \text{ s } [= \pm 7.3^\circ]$

Plate 590

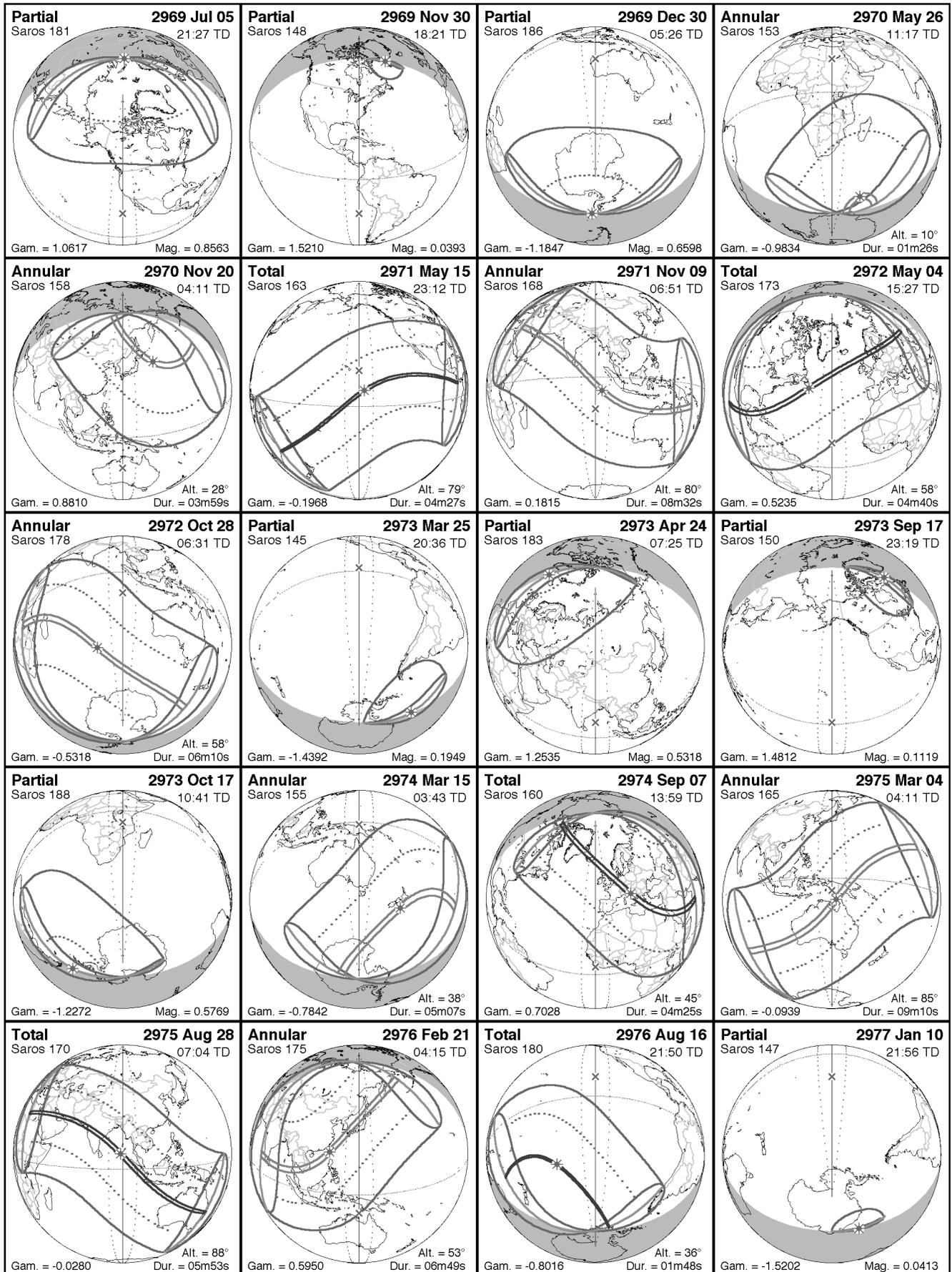


$\Delta T = 4133 \text{ s} [= 01h09m]$

std.err. =  $\pm 1765 \text{ s} [= \pm 7.4^\circ]$

Plate 591

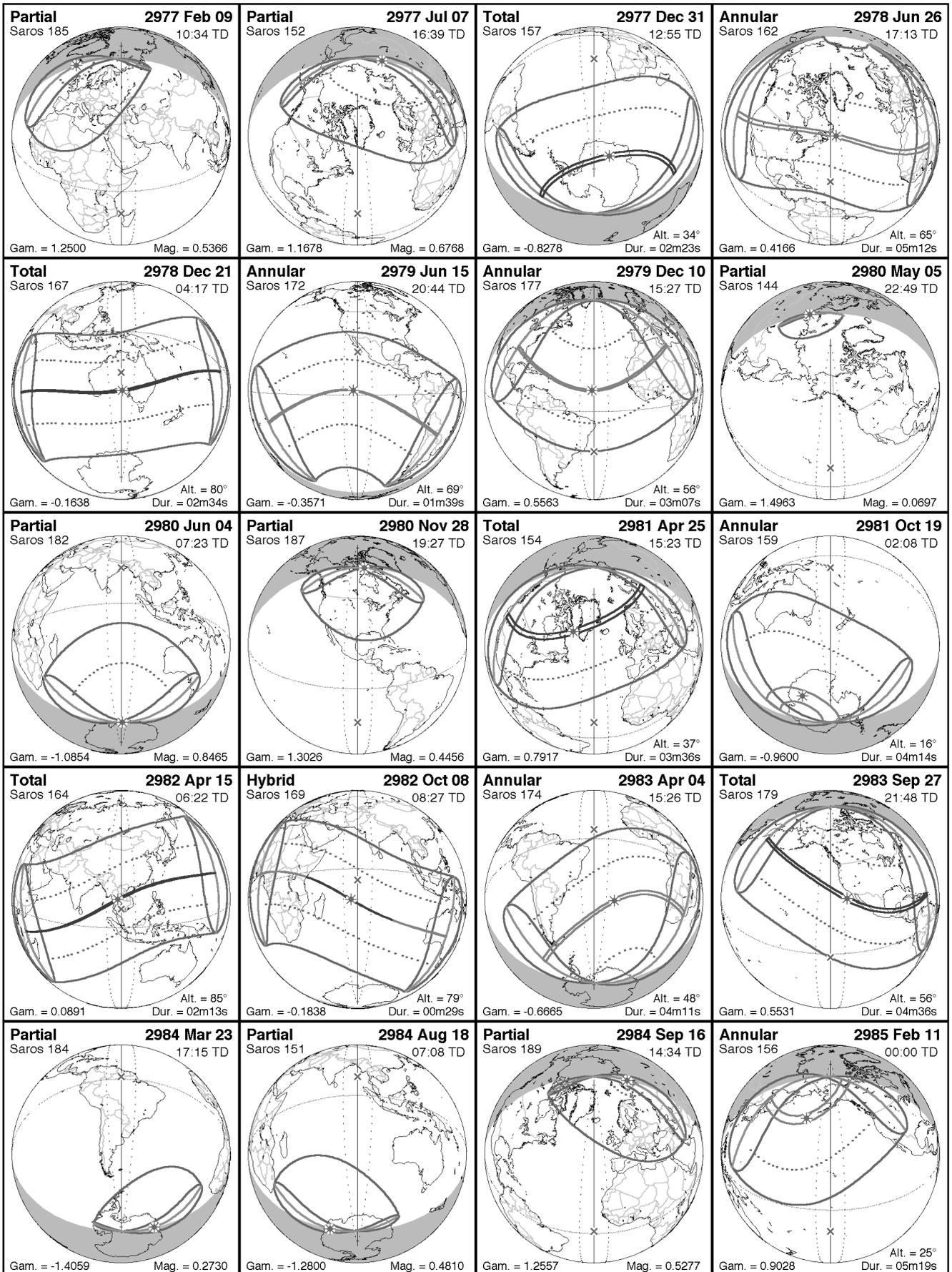
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 4195 \text{ s } [= 01\text{h}10\text{m}]$

std.err. =  $\pm 1791 \text{ s } [= \pm 7.5^\circ]$

Plate 592

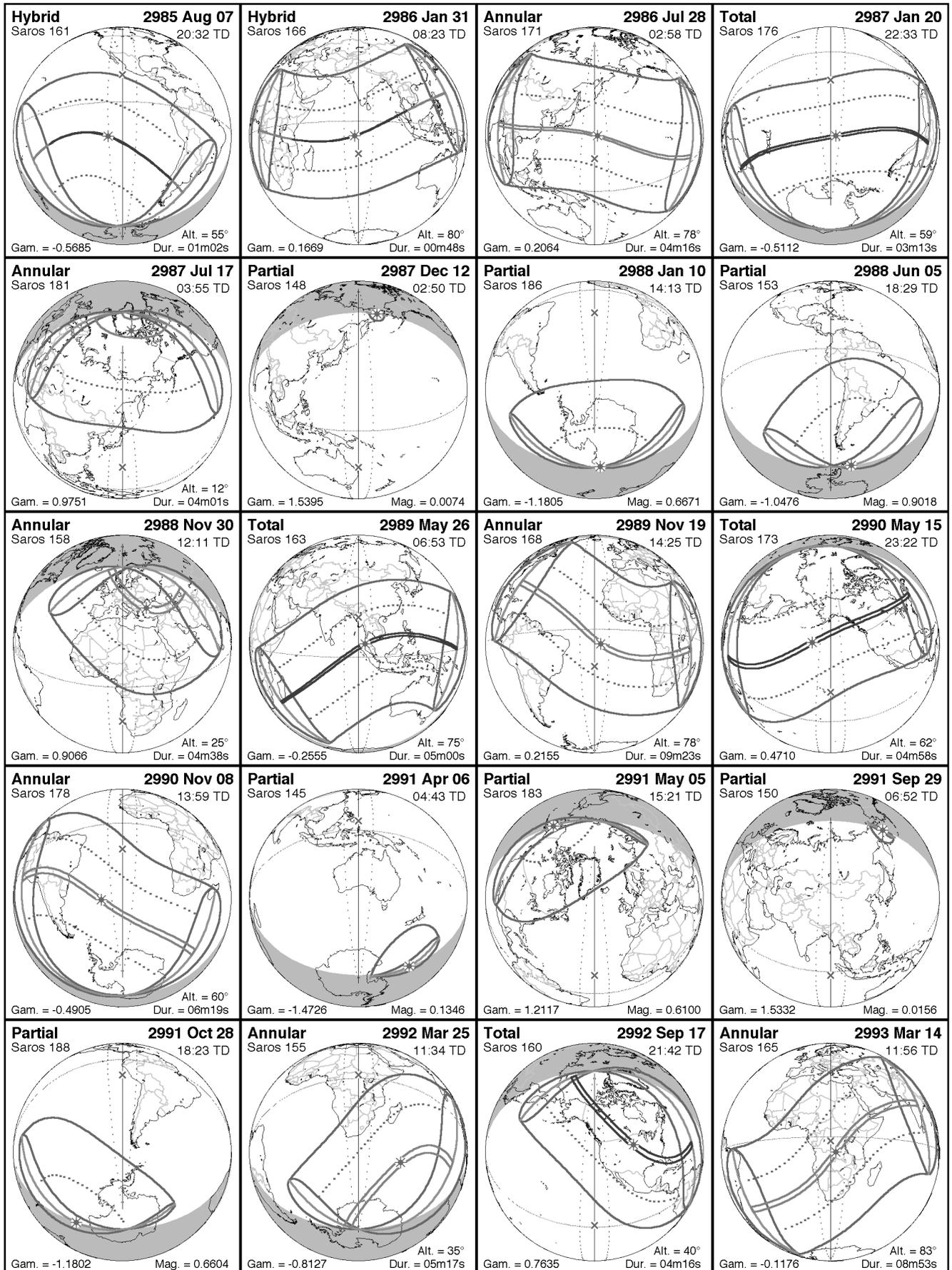


$\Delta T = 4251 \text{ s } [= 01\text{h}11\text{m}]$

std.err. =  $\pm 1814 \text{ s } [= \pm 7.6^\circ]$

Plate 593

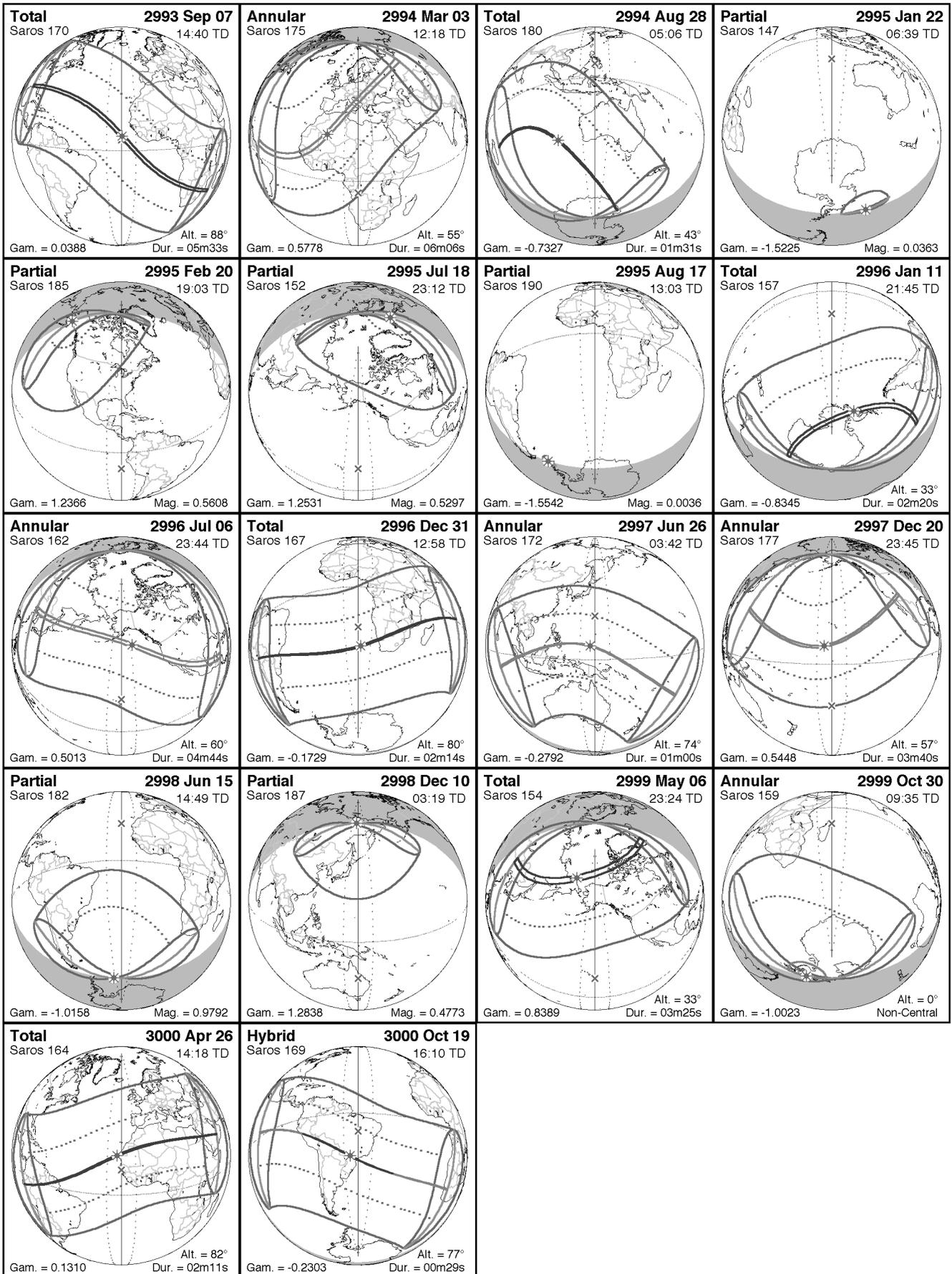
Five Millennium Canon of Solar Eclipses: -1999 to +3000 (2000 BCE to 3000 CE)



$\Delta T = 4314 \text{ s} [= 01\text{h}12\text{m}]$

std.err. =  $\pm 1840 \text{ s} [= \pm 7.7^\circ]$

Plate 594



$\Delta T = 4374 \text{ s } [= 01\text{h}13\text{m}]$

std.err. =  $\pm 1865 \text{ s } [= \pm 7.8^\circ]$

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
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14. ABSTRACT During the 5,000-year period from -1999 to +3000 (2000 BCE to 3000 CE), Earth will experience 11,898 eclipses of the Sun. The statistical distribution of eclipse types for this interval is as follows: 4,200 partial eclipses, 3956 annular eclipses, 3173 total eclipses, and 569 hybrid eclipses.  Detailed global maps for each of the 11,898 eclipses delineate the geographic regions of visibility for both the penumbral (partial) and umbral or antumbral (total, annular, or hybrid) phases of every event. Modern political borders are plotted to assist in the determination of eclipse visibility. The uncertainty in Earth's rotational period expressed in the parameter $\Delta T$ and its impact on the geographic visibility of eclipses in the past and future is discussed.					
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